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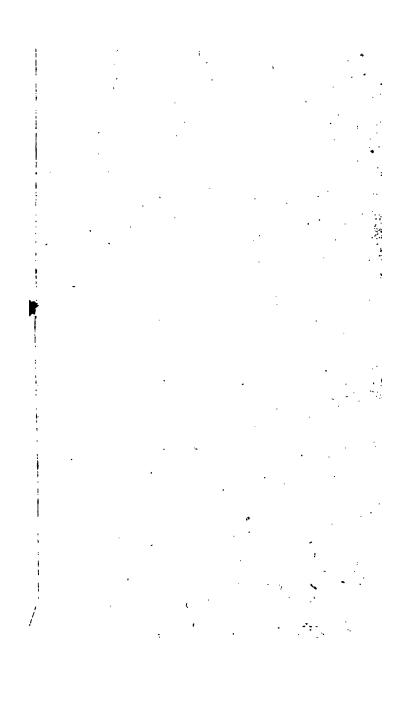
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DEMONSTRATION

Of the

EXISTENCE,

WISDOM and OMNIPOTENCE

OF

$\mathbf{G} \quad \mathbf{O} \quad \mathbf{D}_{7}$

Drawn from the Knowledge of NATURE, particularly of MAN, and fitted to the meanest Capacity.

ΒY

The Archbishop of CAMBRAY, Author of Telemacus; and translated from the French, by the same Hand that English'd that excellent Piece.



LONDON

Printed for W. TAYLOR at the Ship, and J. BAKER at the Black Boy in Pater-Nofter-Row. 1713.



To His IG. R LAIGE

$\mathcal{F}OHN$

Lord Archbishop of York; Lord Primate of England; And Lord Almoner to Her Majesty.

noughts are full fufficient to

May it please Tour GRACE,

great Name.

Weight to the Archbishop of Cambray's Productions, the Prefixing Your GRACE's Name to the following Treatise, would certainly be the A 2 greatest

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I might carry the Parallel further, fince there is some Similitude in Both Your GRACES fuffering a Kind of Eclipse, from the Severity of a Prevailing Party: But in this the Advantage must be allow'd to be on the Side of the PROTE-STANT Prelate, as well in the Cause, as in other Respects and Circumstances. The Archbishop of Cambray is still, as to the World, in a Kind of Shade: Whereas Your GRAce's Merit and Virtues lay not long under a Cloud: But breaking forth again, and shining with fresh Lustre, at the REVOLUTION,

REVOLUTION, Your GRACE was placed in the Metropolitan See of York, to be, assist were, the North-Star of the Church of England. May the HAPPY EPOCH of Your GRACE'S Exaltation never be forgotten, by any who wish well either to Church or State! And may Your GRACE live many, many Years the Soundest Spiritual Director to the most Prous and Best of QUEENS; both to secure the Church against its declared Enemies, and to discountenance its no less dangerous Foes, Ecclefiafticks and La-A. Boyes.

icks of Impious, Antichristian Principles, and Loose Morals. I am with the profoundest Respect,

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May it please Tour GRACE,

My Lord,

Tour GRACE's

Most Humble and most

Obedient, Faithful Servant,

aloi A. Boyer.

THE

FRENCH EDITOR's

Advertisement.

OTHING is more shameful for us Christians, or more exposes our Corruption, than the Necessity, Pious and Zealous Men lie under to write in Vindication of the Existence of GOD. Tis true, Reason is not yet depraced to such a Degree, in any Man, as absolutely to deny its Author, and be altogether ignorant of a Iruth, which He has taken Care to imprint in every Part of his great Work. To know that we exist; is almost the same with knowing that GOD exists. The Idea of our selves is so perfectly united with that of GOD, that we cannot unfold the first ever so little, without being irradiated by the Brightness the second casts forth.

cannot escape its Light, and tho' there have been HYPOCRITES of ATHEISM, yet there never were truc Atheists. This Opinion concerning the Disingenuity of such impious Men, is supported by the open Confession, the most abandon'd and obstinate among st them, have made, upon a Thousand Occasions, that they could not forbear Believing the Existence of a GOD, at the very Time they used all their Endeawours to root out the Belief of Him in others. Neither the small Number of those who were not so sincere; nor the mad Fury of I hree or Four, who were so daring as to maintain their Impiety even to Death, can destroy the compleat Proof that results from that Confession. Men may carry Dissimulation to a great Height. The Intoxication of falfe Glory; together with a sort of Rage that seizes on a Soul which GOD has abandon d, transport it beyond itself, and engage it to consummate its Crime. Ibe Despair of a Man who, without the Veuft Doubt be-

lieves a GOD; who is upon the Point of Experiencing the Rigor of his Justice, and who nevertheless, refuses to reconcile himself with him, is still a more extravagant Disposition, then the obstinate Dissimulation of the pretended Atheists; And yet the same is but too frequent.

'Tis therefore certain, That as there are no true Atheists, 'tis not for them that Writings afferting the Existence of GOD are calculated; and when one undertakes to prove it, 'tis not in order to undeceive Men that are convined of the Contrary; but only to confirm such as stagger in their Belief. Nor is it to attack an establish'd Error, but only to obviate, and remove Doubts. But is our shame the lesser for it? Ought not we to blush as much for the Crime of the Impious among us, as we should for the blind Obstinacy of real Atheists? And as the Weakness of a Mind, from which the clearest Truth should be entirely hid, would be a Scandal to humane Nature: is the Perverseness of a Heart, that en

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deavours to avoid seeing the clearest Truth, that glories in being ignorant of it, and in opposing it, a less Disbonour to Mankind? What Abhorrence ought not we to entertain of those Profligate Men, who in open Rebellion against the First of all Sovereigns, and out of Ingratitude to the most liberal and bountiful of all Benefa-Hors being inwardly persuaded of his Existence, yet strive to pluck up this Persuasion from their Minds; endeavour to call it in Question; continually labour to raise Clouds to obscure that pure Light, which 'tis not in their Power to extinguish; Exhaust their Brain to find out New Systems that may, at least, shake the Belief of others, and augment the Number of the Unbelievers: Which is the Miserable and only Resource they have left, to deaden the Stings of their Consciences, and to give, if possible, Incredulity an Air of Probability, by the Imaginary Multitude of the Incredulous? But how vain are their Efforts! All Truths are so closely twisted with that First

First Truth, that every one of them widences This. The Mind can contemplate Nothing but what offers GOD to its View. Let the Metaphysican lose himself in the Maze of abstrule Subtleties, and follow Paths where few Men can follow him: Tet still he will find GOD at the End of his Inquiries. Let the Mathematician be wholly taken up with Bodies, and their sensible Dimensions: Tet even in these he discovers a GOD, tho He be a Spirit. Let a Lover of History load his Memory with various Events: Tet he cannot over-look the Wildom, Justice, and Goodness of GOD, the Over ruler of Events; and the History of Religion, in which all Things are made to center by a supreme Intelligence, becomes to him a Demonstration of the Existence of that very Intelligence Let a Traveller wander through several Countries: And be finds that GOD is known every where, at least confusedly; which cannot but persuade him, That none but Brutes can be ignorant of Him. and ide some at a new sldi)

But of all Proofs, the most evident is that which is drawn from the Knowledge of the Universe, and of Man, in Particular. We learn from St. Paul, and the Wife Man, or rather the Holy Ghoft, whose Instruments they were, teaches us. that this Demonstration has convinced Philosophers, and will convince every attentive Man. This Proof is display d in so many Places throughout the Psalms, and the Prophet King is so Sublime, and so moving, when he dwels upon it, that tis manifest he was sensibly affected with it. The Holy Fathers knew so well its Cogency, that they omitted nothing to fet it in its true Light, being justly confident, that it was sufficient to destroy Impiety. Lactancius in his Book of the Work of God; St. Athanasius in his Treatife against the Gentiles; St. Gregory Nazianzenus in his 34th Oration; St. Basil and St. Gregory of Nyssa in their Expositions of the first Chapter of Genesis, have muster'd all their Eloquence to render this Demonstration fen-

fible to every Body. Grenada enlarges more upon it than any of those Fathers, in his Catechism; descending into the minutest Details, in order to make that

Proof familiar.

The Author of the following Treatise. has, after so many great Men, made it his Business to dive to the very Bottom of it; to support it by the Principles of the soundest Philosophy, and, at the same Time, to adapt it to the meanest Capacity. Our Age affords but few Men capable of Executing so great a Design: But He who form'd it, has executed it perfectly well. It required a Sublime Genius to penetrate into all the secret Springs of Nature, and a vest Imagination to paint its Beauties. It required an easy Genius, and a flowing, soft, infinuating Eloquence to make those Beauties sensible; to bring down to the Level of the People, what's most elevated in Philosophy; and to render the Heights of GOD accessible to every Body. It required a resolute, and Subtle Genius to obviate and defeat the transfer of the state of th

the Cavils of the Impious: All which great Qualities shine in this Work; and discover its Author, whom his Stile alone would have sufficiently discover d.

Tis Pity the Publick is enrich donly, by what is got from him by Stealth. If he would have been pleased to revise this Work, he might, perhaps, have perceived some Defects, which, I dare say, no Body

else will perceive in it.

Expon the whole Matter, this Treatife is certainly the Best that's extant of the Kind: And if the Author's result Taste should find in it something that might be improved, I doubt whether his Delicacy would not be excessive; and whether, on this Occasion, his Modesty should not get the better of his excellent Taste.

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DEMONSRATION

OF THE

EXISTENCE

OF

SECT. I.

Metaphysical Proofs of the Existence of God, are not within every Body's Reach.



Cannot open my Eyes, without Admiring the Art that shines throughout all Nature: fuffices to make perceive

^{*} Before we proceed it is necessary to acquaint the Reader, that in this excellent Piece the Author often makes use of, Coup d' Oeil, an Expression now much in Vogue in French, and which in English fignifies a Cast of the Eye, a Glance, a Look, or also a, Prospect, a Vista, in short whatever a Man sees at once by casting his Eyes one way or other.

perceive the Hand that makes eve-

ry Thing.

Men accustom'd to meditate upon Metaphysical Truths, and to trace up Things to their first Principles, may know the Deity by its Idea: And I own that's a sure Way to arrive at the Source of all Truth. But the more direct and short that Way is, the more difficult and unpassable it is for the Generality of Mankind, who depend on their Senses and Imagination.

An Ideal Demonstration is so simple, that through its very Simplicity it escapes those Minds that are incapable of Operations purely intellectual. In short, the more perfect is the Way to find the First Being, the Fewer Men there are that are capable to

follow it.

SECT. II.

Moral Proofs of the Existence of God are fitted to every Man's Capacity.

BUT there is a less perfect Way, Level to the meanest Capacity. Men the least exercised in Reasoning,

ning, and the most tenacious of the Prejudices of the Senses, may yet with one Look discover Him who has drawn Himself in all his Works. The Wisdom and Power he has stampt upon every Thing he has made, are seen, as it were in a Glass, by those that cannot contemplate This is a Him in his own Idea. Sensible and Popular Philosophy, of which any Man, free from Passion and Prejudice, is capable. Humana autem anima rationalis est, qua mertalibus Vinculis Peccati pæna tenebatur, ad hoc diminutionis redacta ut per Conjecturas rerum Visibilium ad intelligenda in-visibilia niteretur * that is, The Hu-* Aug. 11b. mane Soul is still rational, but in such 3 de Lib. a manner, that being by the Punishment of Sin detain'd in the Bonds of Death, it is so far reduc'd, that it can only endeavour to arrive at the Knowledge of Things invisible, through the visible.

SECT. III.

Why so few Persons are attentive to the Proofs Nature affords of the Exifence of God.

fubtle and penetrating Wit, have not discover'd God with one Cast of the Eye upon Nature, it is not matter of Wonder. For either the Passions they have been tos'd by, have still rendred them incapable of any fix'd Resection; or the false Prejudices that result from Passions, have, like a thick Cloud, interpos'd between their Eyes, and that noble Spectacle. A Man deeply concern'd in an Assis of great importance that

* Ipsim vero Mundi
qui omnia
qui omnia
complexu
sho coercet
sho Mind, might pass several Days in
sho coercet
non artista Room, treating about his Conciose socerns, without taking Notice of the
lum, sed
plane Artifex ab eonaments of the Chamber, the Orsex ab eonaments of the Chimney, and the
dem Zenonaments of the Chimney, and the
dem Zenonaments of the Chimney, and the
dem Zenonaments of the Chimney, and the
dem Zenopictures about him: All which Obne dictiur,
consultrix
provida his Eyes, and yet none of them
Utilitatis,
opportuni-

tatumque omnium. Cic. lib. 2. de Nat. Deor.

make any Impression upon him. In this manner 'tis that Men spend their Lives: Every thing offers God to their Sight, and yet they see it no where. He was in the World, and the World was made by him, and nevertheless the World did not know him: * In * fobn ca. Mundo erat, et mundus per ipsum factus 1. v. 10, est, et mundus eum non cognovit. They pass away their Lives without perceiving that sensible Representation of the Deity. Such is the Fascination of worldly Trifles that obscures their Eyes! Fasoinatio Nugacitatis obscurat Bona. Nay, oftentimes they will not fo much as open them, but rather affect to keep 'em shut, lest they should find Him they don't look for. In short, what ought to help most to open their Eyes, serves only to close them faster; I mean the constant Duration and Regularity of the Motions which the Supreme Wifdom has put in the Universe. St. Austin tells us those great Wonders have been † debased by being con-+ Alldui-Rantly renew'd: And Tully speaks tate viexactly in the same Manner. feeing every day the same things, the mind grows familiar with them

as well as the Eyes. It neither adimires, nor inquires into the Causes
of Effects that are ever seen to happen in the same manner: As if twere
the Novelty, and not the Importance of the Thing it self, that should
*Cic. lib. excite us to such an inquiry: * Sed
Asside Nat.
Deor. Assiduitate quotidiana et consuetudine Uculorum assuescunt animi, neque admirantur neque requirunt rationes earum rerum, quas semper vident, perinde quasi
movitas nos magis quam magnitudo rerum
debeat ad exquirandas causas excitare.

SECT. IV.

All Nature shews the Existence of its Maker.

In the state all, whole Nature shews the infinite Art of its Maker. When I speak of an Art, I mean a Collection of proper Means chosen on purpose, to arrive at a certain End: Or, if you please, 'tis an Order, a Method, an Industry, or a Set design. Chance, on the contrary, is a blind and necessary Cause, which neither sets in Order, nor chuses any thing, and which has neither Will,

Will, nor Understanding. Now, I *In quibus maintain that the Universe bears the nulla semericas, sed Character and Stamp of a Cause in-ordo appariinitely Powerful and Industrious; ret, & artisquedam And, at the same time, that Chance, similituatiatis, the blind and fortuitous Con-do. Cic.de course of Causes necessary and void or. lib. 2. of Reason, cannot have form'd this Universe. To this Purpose 'tis not amiss to call to mind the celebrated Comparisons of the Ancients.

SECT. V.

Noble Comparisons proving that Nature shews the Existence of its Maker.

First Comparison, drawn from Homer's ILIAD.

fect a Poem as Homer's Iliad, was not the Product of the Genius of a great Poet, and that the Letters of the Alphabet being confusedly jumbled and mix'd, were by Chance, as it were by the Cast of a Pair of Dice, brought together in such an Order as is necessary to describe, in Verses sull of Harmony and Variety, so many great B 4

vents; to place, and connect them for well together; to paint every Object with all its most graceful, most noble, and most affecting Attendants; in short, to make every Person speak according to his Character, in so natural and fo forcible a manner? Let People argue, and fubtilize upon the matter as much as they please, yet they never will perswade a Man of Sense, that the Iliad was the mere * Cic. de Result of Chance. Cicero * said the Nas. Deor. same in relation to Ennius's Annals; adding, that Chance could never make one fingle Verse, much less a whole Poem. How then can Man of sense be induc'd to believe, with Respect to the Universe, a Work, beyond Contradiction, more wonderful than the Iliad, what his Reason will never suffer him to believe in relation to that Poem? Let's attend another Comparison, which we owe to St. Gregory Nazianzenus,

SECT. VI.

Second Comparison drawn from the Sound of Instruments.

F we heard in a Room, from behind a Curtain, a foft and harmonious Instrument, should we believe that Chance, without the Help of any humane Hand, could have form'd fuch an Instrument? Should we fay that the strings of a Violin, for instance, had, of their own accord, ranged, and extended themselves on a wooden Frame, whose several Parts had glued themselves together, to form a Cavity with regular Apertures? Should we maintain that the Bow form'd without Art, should be push'd by the Wind, to touch every string so variously, and with fuch nice Justness? What rational Man could seriously entertain Doubt, whether a humane Hand touch'd fuch an Instrument with so much Harmony? Would he not cry out, 'tis a Masterly Hand that plays upon it? Let us proceed to inculcate the same Truth.

SECT.

SECT. VII.

Third Comparison, drawn from a STA-TUE.

If a Man should find in a desart Island, a fine Statue of Marble, he would undoubtedly immediately say, sure, there have been Men here formerly; I perceive the Workmanship of a Skilful Statuary; I admire with what Niceness he has proportion'd all the Limbs of this Body, in Order to give them so much Beauty, Gracefulness, Majesty, Life, Tenderness, Motion and Action!

What would such a Man answer, if any Body should tell him: That's jour Mistake, a Statuary never carv'd that Figure. Tis made, I confess, with an excellent Gusto, and according to the Rules of Perfection: But yet 'tis Chance alone made it. Among so many Pieces of Marble, there was one that form'd it self, of its own accord, in this manner; the Rains and Winds have loosen'd it from the Mountains; a violent Storm has thrown it plum upright on this Pedestal, which had prepared it self to support it in this Place.

Tis a perfect Apollo like that of Belvedere; a Venus that equals that of the Medicis; an Hercules like that of Farnese. Tou would think, 'tis true, that this Figure walks, lives, thinks, and is just going to speak: But, however, it is not, in the least, beholden to Art; and 'tis only a blind Stroke of Chance, that has thus so well finish'd and placed it.

SECT. VIII.

Fourth Comparison, drawn from a Picture.

fine Picture, representing, for Example, the Passage of the Red Sea, with Moses, at whose Voice the Waters divide themselves, and rise like Two Walls, to let the Israelites pass dry-foot through the Deep: He would see, on the one side, that innumerable Multitude of People, full of Considence and Joy listing up their Hands to Heaven; and perceive on the other side King Pharao with the Egyptians frighted and consounded at the sight of the Waves

Waves that join again to swallow them up. Now, in good Earnest, who would be so bold as to affirm, That a Chamber-Maid having by Chance dawb'd that Piece of Cloth, the Colours had, of their own accord, ranged themselves in order to produce that lively Colouring; those various Attitudes; those Looks fo well expressing different Passions; that elegant Disposition of fo many Figures, without Confusion; that decent Plaiting of Draperies; that Management of Lights; that Degradation of Colours, that exact Perspective: In short, all that the Noblest Genius of a Painter can invent? If there were no more in the Case than a little Foam at the Mouth of a Horse, I own, as the Story goes, and which I readily allow without Examining into it, that a Stroke of a Pencil thrown in a Pet by a Painter, might once, in many Ages, happen to express it well. But, at least, the Painter must beforehand have, with Design, chosen the most proper Colours to represent that Foam, in order to prepare them at the End of his Pencil.

cil: And therefore 'twere only a little Chance that had finish'd what Art had begun. Besides, this Work of Art and Chance together, being only a little Foam, a confused Object, and fo most proper to credit Stroke of Chance; an Object without Form, that requires only a little whitish Colour dropt from a Pencil, without any exact Figure. or Correction of Design: What Comparison is there between that Foam with a whole Design of a large continued History, in which the most fertile Fancy, and the boldest Genius, supported by the perfect Knowledge of Rules, are scarce sufficient to perform what makes an excellent Plcture? I cannot prevail with my felf to leave these Instances. without desiring the Reader to obferve. That the most rational Men are naturally extream loath to think. that Beafts have no manner of Understanding, and are mere Machines. Now whence proceeds fuch an Invincible Averseness to that Opinion in so many Men of Sense? 'Tis because they suppose, with Reason, that Motions so exact, and accor-

ding to the Rules of perfect Mechanism, cannot be made without fome Industry; and that artless Matter alone, cannot perform what argues fo much Knowledge. Hence it appears, That found Reason naturally concludes, that Matter alone cannot, either by the Simple Laws of Motion, or by the Capricious Strokes of Chance, make even Animals that are mere Machines. Philosophers themselves who will not allow Beafts to have any Reafoning Faculty, cannot avoid acknowledging, that what they suppose to be Blind and Artless in these Machines, is yet full of Wisdom and Art in the First Mover, who made their Springs and regulated their Movements. Thus the most opposite Philosophers persectly agree in Acknowledging, that Matter and Chance cannot, without the Help of Art, produce all we observe in Animals.

SECT. IX.

A Particular Examination of NATURE.

A Free these Comparisons, about which I only desire the Reader

der to confult himself, without any Argumentation, I think 'tis high Time to enter into a Detail of Nature. I do not pretend to penetrate through the Whole: Who is able to do it? Neither do I pretend to enter into any Physical Discussion. Such way of Reasoning requires a certain deep Knowledge, which abundance of Men of Wit and Sense never acquir'd; and therefore I will offer nothing to them but the simple Prospect of the Face of Na-I will entertain them with nothing but what every Body knows, and which requires only a little calm and ferious Attention.

SECT. X

Of the General Structure of the Universe.

ET us, in the first Place, stop Quanta state great Object that sirst admirabistructure of the Universe. Let us cast rum, asque
our Eyes on this Earth that bears terrestrium
us. Let us look on that vast Arch

of the Skies that covers us; those immense Regions of Air, and Depths of Water that furround us; and those bright Stars that light us. A Man who lives without Reflecting, thinks only on the Parts of Matter that are near him, or have any Relation to his Wants. He only looks upon the Earth, as on the Floor of his Chamber; and on the Sun that lights him in the Day-time, as on the Candle that lights him in the Night. His Thoughts are confin'd within the Place he inhabits. On the contrary, a Man who is used to contemplate and reflect carries his Looks further, and curiously considers the almost infinite Abysses that surround him on all fides. A large Kingdom appears then to him but a little Corner of the Earth; the Earth it self is no more to his Eyes than a Point in the Mass of the Universe; and he admires to fee himself placed in it, without knowing which way he came there.

SECT. XI.

Of the EARTH.

7 HO is it that hung and pois'd this motionless Globe of the Earth? Who laid its Foundation? Nothing feems more Vile and Contemptible; for the meanest Wretches tread it under Foot; but yet 'tis in order to possess it, that we part with the greatest Treasures. It it were harder than it is, Man could not open its Bosom to cultivate it; and if it were less hard, it could not bear them, and they would fink every where, as they do in Sand, or in a Bog. 'Tis from the inexhaustible Bosom of the Earth, we draw what's most Precious. That shapeless, vile, and rude Mass assumes the most various Forms; and yields alone, by Turns, all the Goods we can defire. That dirty Soil transforms it self into a Thousand fine Objects that charm the Eye. In the compass of One Year it turns into Branches, Twigs, Buds, Leaves, Blossoms, Fruits.

Fruits, and Seeds, in order, by these various Shapes, to multiply its Liberalities to Mankind. Nothing exhausts the Earth: The more we tear her Bowels, the more she's Liberal. After so many Ages, during which she has produced every Thing, she is not yet worn out. She feels no Decay from Old Age; and her Entrails still contain the same Treasures. A Thousand Generations have pass'd away, and return'd into her Bosom: Every thing grows Old, the alone excepted: For the grows Young again every Year in the Spring. She's never wanting to Men; but foolish Men are wanting to themselves, in neglecting to cultivate Her. 'Tis through their Laziness and Extravagance they suffer Brambles and Briars to grow instead of Grapes and Corn. They contend for a Good they let perish. The Conquerors leave uncultivated the Ground for the Possession of which they have facrificed the Lives of so many Thousand Men, and have spent their own in Hurry and Trouble. Men have before them vait Tracts of Land uninhabited and uncultivated . 1

cultivated; and they turn Mankind Topfy-turvy for one Nook of that neglected Ground in Dispute. The Earth, if well cultivated, would feed a Hundred Times more Men than now the does. Even the Uneveness of Ground which at first. seems toube a Desect, turns either into Ornament or Profit. Mountains arose and the Vallys descended to the Place the Lord had appointed for them. Those different Grounds have their particular Advantages, according to the divers Aspects of the Sun. In those deep Vallies grows fresh and tender Grass to feed Cattle. Next to them opens a vast Champion cover'd with a rich Harvest. Here, Hills rise like an Amphitheater, and are crown'd with Vinevards and Fruit-Trees. high Mountains carry aloft their frozen Brows to the very Clouds, and the Torrents that run down from them become the Springs of The Rocks that shew their craggy Tops, bear up the Earth of Mountains, just as the Bones bear up the Flesh in Human Bodies. That Variety yields at once, a ra-CI vilhing

vishing Prospect to the Eye, and, at the same Time, supplies the divers Wants of Man. There's no Ground so barren, but has some profitable Property. Not only black and sertile Soil, but even Clay and Gravel recompence a Man's Toil. Drain'd * Morasses become Fruitful; Sand for the most part, only covers the Surface of the Earth; And when the Husbandman has the Patience to digg deeper, he finds a new Ground that grows sertile as fast as it is turn'd, and expos'd

to the Rays of the Sun.

Xenophon's Country Occonomy.

There's scarce any Spot of Ground absolutely barren, if a Man do not grow Weary of Digging, and Turning it to the enlivening Sun, and if he require no more from it, than it is proper to bear, Amidst Stones and Rocks there's sometimes excellent Pasture; and their Caviries have Veins, which being penetrated by the piercing Rays of the Sun, furnish Plants with most Savoury Juices for the Feeding of Herds and Flocks. Even Sea-Coasts that seem to be the most Sterile and Wild, yield fometimes either delicious Fruits,

Fruits, or most wholesome Medicines, that are wanting in the most Besides, 'tis the fertile Countries. Effect of a wife over-ruling Providence, that no Land yields all that's useful to Human Life. For Want invites Men to Commerce, in order to supply one another's Necestherefore that Want fities. that's the natural Tie of Society between Nations: Otherwise all the People of the Earth would be reduc'd to one Sort of Food and Cloathing; and nothing would invite them to know and visit one another.

SECT. XIL

Of PLANTS.

LL that the Earth produces being corrupted, returns into her Bosom, and becomes the Seed of a new Production. Thus she resumes all she has given, in order to give it again. Thus the Corruption of Plants, and the Excrements of the Animals she feeds, feed her, and improve her Fertility. Thus the

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grom

more the gives, the more the refumes; and the is never exhaulted. provided they who cultivate her reflore to her what she has given. Every thing comes from her Bosom; Every thing returns to it; and nothing is lost in it. Nay, all Seeds multiply there: If, for instance, you trust the Earth with some Grains of Corn, as they corrupt they germinate and spring; and that teeming Parent restores with Usury more Ears than she had receiv'd Grains. Dig into her Entrails: You'll find in them Stone and Marble for the most magnificent Buildings. who is it that has laid up so many Treasures in her Bosom, upon Condition that they should continually produce themselves anew? Behold how many precious and useful Metals; how many Minerals defign'd for the Conveniency of Man!

Admire the Plants that spring from the Earth: They yield Food for the Healthy, and Remedies for the Sick. Their species and Vertues are innumerable. They deck the Earth, yield Verdure, fragrant Flowers, and delicious Fruits. Do

you

you see those vast Forests that seem as Old as the World? Those Trees fink into the Earth by their Roots, as deep as their Branches shoot up to the Sky. Their Roots defend them against the Winds, and ferch up, as it were by Subteranean Pipes, all the Juices destin'd to feed the Trunk. The Trunk itself is cover'd with a tough Bark that shelters the tender Wood from the Injuries of the Air. The Branches distribute by several Pipes the Sap which the Roots had gather'd up in the Trunk. In Summer, the Boughs protect us with their Shadow, against Scorching Rays of the Sun. ter, they feed the Fire that preserves in us natural Heat. Nor is Burning the only use Wood is fit for: It is a fost, tho' folid and durable marter, to which the Hand of Man gives, with Ease, all the Forms he pleases, for the greatest Works of Architecture and Navigation. Moreover. Fruit Trees by bending their Boughs towards the Earth, seem to offer their Crop to Man. The Trees and Plants, by letting their Fruit, or Seed drop down, provide for a numerous'

merous Posterity about them. The tenderest Plant, the least of Herbs and Pulse are, in little, in a small Seed all that's display'd in the highest Plants and largest Tree. Earth that never changes, produces all those Alterations in her Bosom.

SECT. XIII.

Of WATER.

ET us now behold what we cal . Water. It is a Liquid, clear and transparent Body, On the one hand it flows, slips, and runs away and on the other, it assumes all the Forms of the Bodies that furround it, having properly none of its own If water were more rarefied, or thin ner, it would be a kind of Air and so the whole Surface of the Earth would be dry and sterile There would be none but Volatiles no living Creature could swim; no Fish could live; nor would there be any Traffick by Navigation. What industrious and sagacious Hand has found means to thicken the Water by fubtilizing the Air, and so well to di

diffinguish those two forts of fluid Bodies? If Water were some what more rarefied, it could no longer fustain those prodigious stoating Buildings, called Ships. Bodies that have the least Ponderosity would presently fink under Water. Who is it that took care to frame so just a Configuration of Parts, and so exact a Degree of Motion, as to make Water so fluid, so penetrating, so slippery, so incapable of any Consistency: And yet so strong to bear, and so impetuous to carry off and wast away the most unwieldy Bodies? It is docile; Man leads it about as a Rider does a well-manag'd Horse. He distributes it as he pleases; He raises it to the Top of steep Mountains, and makes use of its Weight . to let it fall, in order to rife again, as high as it was at first. But Man who leads Water's with fuch absolute Command, is, in his turn, led by them. Water is one of the greatest moving Powers, that Man can employ to supply his Defects in the most necessary Arts, either through the Smalness or Weakness of his Body. But the Waters,

Super

: Waters, which notwithstanding their Fluidity, are such ponderous Bodies, nevertheless rise above Heads, and remain a long while hanging there. Do you see those Clouds that fly, as it were, * on ventorum. the Wings of the Winds? If they should fall, on a sudden, in Watry Pillars, rapid like a Torrent, they would drown and destroy every thing where they should happen to fall, and the other Grounds would remain dry. What hand keeps them in those pendulous Reservatories, and permits them to fall only by Drops as it they distill'd through a Gardiner's Watering-Pot? Whence comes it, that in fome hot Countries, where scarce a-. ny Rain ever falls, the nightly Dews are so plentiful, that they Supply the Want of Rain: And that in other Countries, such the Banks of the Nile and Ganges, the regular Inundation of Rivers, at certain Seasons of the Year, never fails to make up what the Inhabitants are deficient in, for the Watering of the Ground? Can one imagine Measures better concerted,

to render all Countries Fertile and Fruitful?

Thus Water quenches, not only the Thirst of Men, but likewise of arid Lands: And he who gave us that fluid Body, has carefully distributed it throughout the Earth. like Pipes in a Garden. The Waters fall from the Tops of Mountains where their Reservatories are placed. They gather into Rivulets in the Bottom of Valleys. run in winding Streams through vast Tracts of Land, the better to water them; And, at last, they precipitate themselves into the Sea, in order to make it the Center Commerce for all Nations. Ocean, which feems to be placed in the midst of Lands, to make an eternal + Separation between them, is, on the contrary, the common Rendez-vous of all the People of the Earth, who could not go, by Land, from one End of the World

to

[†] The illustrious Author alludes to and rectificathis Thought of Herace, Carm. lib. 1. Ode. 3.

Nequicquam DEUS abscidit Prudens Oceano Dissociabili Terras, si samen impia

Non rangenda rates translitunt vada.

Ebbing.

to the other, without! infinite Fatigue, tedious Journeys, and numberless Dangers. Tis by that trackless Road, cross the bottomless Deep, that the Old World shakes Hands with the New; and that the New supplys the Old with fo many Conveniencies and Riches. The Waters, distributed with so much Art, circulate in the Earth. iust as the Blood does Man's Body. But besides this perpetual Circulation of the Water, * vulgarly, there is belides the Flux * Floring & Reflux of the Sea. Let us not inquire into the Causes of so Mysterious an Effect. What's certain is, that the Tide carries, or brings us back to certain Places, at precife Hours. Who is it that makes it withdraw, and then come back with fo much Regularity? A little more or less Motion in that fluid Mass would disorder all Nature: For a little more Motion in a Tide or Flood would drown whole King-Who is it that knew how to take such exact Measures in immense Bodies? Who is it that knew so well how to keep a just

Medium

Medium between too much and too little? What Hand has fet to the Sea the unmoveable Boundary it must respect through the ries of all Ages, by telling There, thy proud Waves shall come and break? But these Waters so stuid, become, on a sudden, during the Winter, as hard as Rocks. The Summits of high Mountains, have, even at all Times, Ice and Snow, which are the Springs of Rivers, and soaking Pasture-Grounds render them more ferrile. Here Waters are sweet to quench the Thirst of Man: There they are briny, and yield a Salt that seasons our Meat, and makes it incorruptible. In fine, if I lift up my Eyes, I perceive in the Clouds that fly above us, a fort of hanging Seas, that serve to temper the Air, break the fiery Rays of the Sun, and water the Earth when it is too dry. What Hand was able to hang over our Heads those great Reservatories of Waters? What Hand takes Care never to let them fall, but in moderate Showers?

SECT. XIV. Of the AIR.

Fter having consider'd the Waters, let us now contemplate another Mass yet of far greater Extent. Do you see what is call'd Air? 'Tis a Body so pure, so fubtle, and so transparent, that the Rays of the Stars, seated at a diflance almost infinite from us, pierce quite through it, without difficulty, and in an instant, to light our Eyes. Had this fluid Body been a little less subtle, it would either have intercepted the Day from us, or at most would have left us but a duskish and confused Light, just as when the Air is fill'd with thick Fogs. We live plung'd in Abysses of Air, as Fishes do in Abysses of Water. As the Water, if it were fubtiliz'd, would become a kind of Air, which would occasion the Death of Fishes; so the Air would deprive us of Breath if it should become more humid and thicker. In fuch a Case we should drown in the Waves of that thicken'd Air. just

just as a terrestrial Animal drowns in the Sea. Who is it that has fo nicely purified that Air we breath? If it were thicker, it would stifle us; and if it were too fubtle, it would want that Softness which continually feeds the Vitals of Man. We should be sensible every where of what we experience on the Top of the highest Mountains, where the Air is so thin that it yields no fufficient Moifture and Nourishment for the Lungs. But what invisible Power raises, and lays so suddenly the Storms of that great fluid Body, of which those of the Sea are only Consequences? From what Treasure ry come forth the Winds that purify the Air, cool scorching Heats, temper the Sharpness of Winter, and, in an Instant, change the whole Face of Heaven? On the Wings of those Winds, the Clouds sly from one End of the Horizon to the or other. 'Tis known that certain' * Winds blow in certain Seas, at * Call'aby some stated Seasons. They conti-Sea-Men nue a fix'd Time, and others fuc-Winds. ceed them, as it were on purpose, to render Navigation both commodious **3**".....

dious and regular: So that if Men are but as patient, and as puncrual as the Winds, they may, with Ease, perform the longest Voyages.

SECT. XV.

Of FIRE.

O you see that Fire that seems kindled in the Stars, and foreads its Light on all sides? Do vou see that Flame which certain Mountains vomit up, and which the Earth feeds with Sulphur within its Entrails? That same Fire peaceably lurks in the Veins of Flints; and expects to break out, till the Collision of another Body excites it to shock Cities and Mountains. Man has found the Way to kindle it, and apply it to all his Uses, both to bend the hardest Metals, and tofeed with Wood, even in the most frozen Climes, a Flame that serves him instead of the Sun, when the Sun removes from him. That fubtle Flame glides and penetrates into all Seeds. It is, as it were, the Soul of all living Things; it confumes all that's Impure

Impure, and renews what it has purified. Fire lends its Force and Activity to weak Men. It blows up, on a fudden, Buildings and Rocks. But have we a mind to confine it to a more moderate Use? It warms Man, and makes all forts of Food sit for his Eating. The Ancients, in Admiration of Fire, believed it to be a Celestial Gift, which Man had Stolen * from the Gods.

SECT. XVI.

Of HEAVEN.

to Heaven. What Power has built over our Heads so vast and so magnificent an Arch? What a stupendous Variety of admirable Objects is here? 'Tis, no doubt, to present us with a noble Spectacle that an Omnipotent Hand has set before our Eyes so great and so bright Objects. 'Tis in order to D

^{*} Audan lapeti genus Ignem fraude malâ gensibus întulit. Post ignem asbereâ domo Subdulum, Çc. Hotat, Catm. Lib. 1.04e 3.

De Nat.

Dear.

raise our Admiration of Heaven, says + Lib. 2. Tully, + That God made Man unlike the rest of * Animals. stands upright, and lifts up his Head, that he may be employ d about the Things that were above him. Sometimes we see a duskish Azure Sky, where the purest Fires twinkle. Sometimes we behold, in a temperate Heaven, the fortest Colours, mix'd with fuch Variety, as 'tis not in the Power of Painting to imitate. Sometimes we fee Clouds of all Shapes and Figures, and of all the brightest Colours, which every Moment, shift that beautiful Decoration, by the finest Accidents and various Effects of Light. What does the regular Succession of Day and Night, denote? For fo many Ages as are past, the Sun never fail'd ferving Men, who cannot live without it. Many Thousand Years are elaps'd,

^{*} Pronaque cum (pellent Animalia cætera Terram. Os bomini Sublime dedit; Calumque videre Fussit, & erectos ad Sidera tollere vultus.

Ovid. Metam. Lib. 1. This Thought of Ovid was imitated by the Poet Silius, who says,

Nonne videt bominum ut celfos ad Sidera Vultus Sustulerit Dens, & Sublimia finxerit Ora.

elaps'd, and the Dawn never once mis'd proclaiming the Approach of the Day. It always begins precisely, at a certain Moment and Place. The Sun, fays the Holy Writ, knows where it shall set every Day. By that means it lights, by Turns, the Two Hemispheres, or Sides of the Earth, and visits all those for whom its Beams are design'd. The Day is the Time for Society, and Labour; the Night wrapping up the Earth with its Shadow, ends, in its Turn, all manner of Fatigue, and alleviates the Toil of the Day. fuspends, and quiets all; and spreads Silence and Sleep every where. refreshing the Bodies, it renews the Spirits. Soon after, Day returns to fummon again Man to Labour, and revive all Nature.

SECT. XVII.

Of the Sun.

by which the Sun forms Days and Nights, it makes us fensible of another, by which, for the Space of D 2 Six

Six Months, it approaches one of the Poles, and at the End of those Six Months, goes back with equal Speed, to visit the other Pole. cellent Order makes one Sun sufficient for the whole Earth. If it were of a larger Size at the same Distance, it would fet the whole Globe on Fire, and the Earth would be burnt to Ashes. And if, at the same Distance, it were lesser, the Earth would be all over frozen, and uninhabitable. Again, if, in the same Magnitude, it were nearer us, it would fet us in Flames; and if more remote, we should not be able to live on the terrestial Globe, for want of Heat. What Pair of Compasses, whose Circumference encircles both Heaven and Earth, has fix'd fuch just Dimensions? That Star does no less befriend that Part of the Earth from which it removes. in order to temper it, than that it approaches, to favour it with its Beams. Its kind, beneficent Aspect, tertilizes all it shines upon. This Change produces that of the Seafons, whose Variety is so agreeable. The Spring silences bleak, frosty Winds, brings

brings forth Blossoms and Flowers, and promises Fruits. The Summer vields rich Harvests. The Autumn bestows the Fruits promis'd by the Spring. The Winter, which is a kind of Night, wherein Man refreshes and rests himself, lays up all the Treasures of the Earth in its Center, with no other Design, but that the next Spring may display them, with all the Graces of Novelty: Thus Nature, variously attired, yields so many fine Prospects, that she never gives Man Leisure to be disgusted with what he posfestes.

But how is it possible for the Course of the Sun to be so regular? It appears that Star is only a Globe of most subtle Flame: Now, what is it that keeps that Flame, so restless and so impetuous, within the exact Bounds of a persect Globe? What Hand leads that Flame, in so strait a Way, and never suffers it to slip one side or other? That Flame is held by Nothing; and there is no Body that can either guide it, or keep it under: For it would soon consume whatever Body it should D?

be enclosed in. Whither is it g ing? Who has taught it incessant and fo regularly to turn in a spa where it is free and unconftrain' Does it not circulate about us. purpose to serve us? Now if the Flame does not turn, and if, on t Contrary, 'tis our Earth that turn I'd fain know how it comes to fo well placed in the Center of the Universe, as it were the Focus the Heart of all Nature. I'd fa know also, how it comes to pa that a Globe of fo fubtle Matte never flips on any fide, in that ir mense Space that surrounds it; as wherein, it seems to stand with Re fon, that all fluid Bodies ought 1 yield to the Imperuosity of the Flame.

In fine, I'd fain know, how comes to pass, that the Globe of the Earth, which is so very hard, turn so regularly about that Planet, is a space where no solid Body keep it fast, to regulate its Course? Lee Men, with the Help of Physick contrive the most ingenious Reason to explain this Phanomenon: All the Arguments (supposing them to be true

true) will become Proofs of the DEITY. The more the great Spring, that directs the Machine of the Universe is exact, simple, constant, certain, and productive of Abundance of useful Effects; the more 'tis plain, that a most potent, and most artful Hand knew how to pitch upon the Spring which is the most perfect of all.

SECT. XVIII.

Of the STARS.

UT let us once more view that immense arch'd Roof. where the Stars shine, and which covers our Heads like a Canopy. If it be a folid Vault, what Architect built it? Who is it that has fix'd fo many great Luminous Bodies to certain Places of that Arch, and at certain Distances? Who is it that makes that Vault turn so regularly about us? If on the Contrary, the Skies are only immense Spaces full of fluid Bodies, like the Air that furrounds us: How comes it to pass that so many solid Bodies float

float in them, without ever finking. or ever coming nearer one another? For all Astronomical Observations that have been made, in so many Ages, not the least Disorder, or irregular Motion has yet been difcover'd in the Heavens. fluid Body range in fuch constant and regular Order, Bodies that fwim circularly within its Sphere? But what does that almost innumerable Multitude of Stars The Profusion with which the Hand of God has scatter'd them through his Work, shews nothing is difficult to his Power. He has cast them about the Skies, as a Magnificent Prince, either scatters Money by Hand-fulls, or studs his Cloaths with precious Stones. Let who will fay, if he pleases, that the Stars are as many Worlds, like the Earth we inhabit;

Sustinendi I grant it for one Moment: But Muneris then, how Potent and Wise must propper im-He be, who makes Worlds as numdifficultas berless as the Grains of Sand that minime ca-cover the Sea-shore; and who, with jest atem out any Trouble, for so many Ages, Deorum governs all these wandring Worlds, Cic. Lib. 2. as a Shepherd does a Flok of Sheep?

If, on the contrary, they are only, as it were, lighted Torches, to shine in our Eyes in this small Globe, call'd Earth: How great is that Power, which nothing can satigue, nothing can exhaust! What a profuse Liberality it is, to give Man, in this little Corner of the Universe, so marvellous a Spectacle!

But among those Stars I perceive the Moon, which feems to share with the Sun the Care and Office of Lighting us. She appears, at fet Times, with all the other Stars, when the Sun is oblig'd to go and carry back the Day to the other Hemisphere. Thus Night it self, notwithstanding its Darkness, has a Light, Duskish indeed, but soft, and useful. That Light is borrow'd from the Sun, tho' absent: And thus every thing is managed, with fuch excellent Art, in the Universe, that a Globe near the Earth, and as dark, as the of itself, serves neverrheless to send back to her by Reflection, the Rays it receives from the Sun; And that the Sun lights, by means of the Moon, the People People that cannot see him, while he must light others.

It may be said, that the Motion of the Stars is fettled and regulated by unchangeable Laws. Suppose it is: But this very Suppofition proves what I labour to evince. Who is it that has given to all Nature Laws at once fo constant and so wholesom; Laws so very fimple, that one is tempted to believe, they establish themselves of their own accord; and so productive of beneficial and useful Effects, that one cannot avoid acknowledging a Marvellous Art in them? Whence proceeds the Government of that Universal Machine, which incessantly works for us, without fo much as our Thinking upon it? To whom shall we ascribe the Choice and Gathering of fo many deep, and fo well concerted Springs; and of so many Bodies, great and fmall, visible and invisible, which equally concurr to ferve us? The least Atom of this Machine, that should happen to be out of Order, would unhinge all Nature. For the Springs and Movements

ments of a Watch are not put together with so much Art and Niceness. as those of the Universe. What then must be a Design so extensive, so coherent, so excellent, so beneficial? The necessity of those Laws, instead of deterring me from inquiring into their Author, does but heighten my Curiofity, and Admi-Certainly, it required ration. Hand equally artful and powerful, to put in his Work an Order equally Simple and Teeming, constant and useful. Wherefore I will not scruple to say with the Scripture, Let every Star baste to go whither the Lord fends it; and when He speaks, let them answer with Trembling; Here we are, Ecce adsumus.

SECT. XX.

Of Animals, Beasts; Fowl; Birds, Fishes; Reptiles, and Insects.

B UT let us turn our Eyes towards Animals, which still are more worthy of Admiration than either the Skies, or Stars. Their Species are numberless. Some have but two Feet, others Four, others

again a great many. Some walk; others crawl, or creep; others fly; others fwim; others fly, walk, or fwim, by Turns. The Wings of Birds, and the Fins of Fishes, are like Oars, that cut the Waves either of Air or Water, and steer the floating Body either of the Bird, or Fish, whose Structure is like that of a Ship. But the Pinions of Birds have Feathers with a Down, that swells in the Air, and which would grow unwieldy in the Water. And, on the contrary, the Fins of Fishes have sharp and dry Points, which cut the Water, without imbibing it, and which don't grow heavier by being wet. A fort of Fowl that swim, such as swans, keep their Wings, and most of their Feathers above Water, both lest they should wet them, and that they may ferve them, as it were, for Sails. They have the Art to turn those Feathers against the Wind, and, in a manner, to tack, as Ships do when the Wind does not serve. Water Fowls, fuch as Ducks, have their Feet large Skins that firetch, fomewhat like Rackets, to keen keep them from finking on the only and miry Banks of Rivers.

Amongst the Animals. Wild Beafts, such as Lions, have their biggest Muscles about the Shoulders, Thighs, and Legs; and therefore these Animals are brisk, nervous, and ready to rush forward. Their Jaw-bones are prodigiously large, in proportion to the rest of their Bodies. They have Teeth and Claws, which them, as terrible Weapons, to tear in Pieces and devour other Animals. For the same Reason, Birds of Prey, fuch as Eagles, have a Beak and Pounces that pierce every Thing. The Muscles of their Pinions are extream large, and brawny, that their Wings may have a stronger and more rapid Motion: And so those Creatures, tho' fomewhat heavy, foar aloft and towr up easily to the very Clouds, from whence they shoot, like a Thunder-bolt, on the Quarry they have in View. Other Animals have Horns. The greatest strength of some lies in their Backs and Necks; and others can only kick.

kick. Every Species, however, has both offensive and defensive Arms Their Hunting is a kind of War, which they wage one against another, for the Necessities of Life. They have also Laws and a Government among themselves. Some, like Tortoises, carry the House wherein they were born; others build theirs, as Birds do, on the highest Branches of Trees, to preferve their Young from the Infult of unwing'd Creatures, and they even lay their Nests in the thickest Boughs to hide them from their Enemies. Another, such as the Beaver. builds in the very Bottom of a Pond, the Sanctuary: he prepares for himself, and knows how to cast up Dikes round it, to preserve himfelf by the neighbouring Inundati-Another, like a Mole, has fo pointed and so sharp a Snout, that in one Moment, he pierces through the hardest Ground, in order to provide for himself a subterraneran Re-The cunning Fox digs a Kennel with two Holes to go out and come in at, that he may not be either surpriz'd, or trapt by the Hunts-

men. The Reptiles are of another Make. They curl, wind, shrink, and stretch by the Springs of their Muscles: they creep, twiff about, squeeze, and hold fast the Bodies they meet in their Way; and eafily slide every where. Their Organs are almost independent one on the other; fo that they still live when they are cut into Two. The long-legg'd Birds, fays Cicero, are also longneck'd in Proportion, that they may bring down their Bill to the Ground. and take up their Food. It is the same with the Camel; But the Elephant whose Neck through its Bigness. would be too heavy, if it were as long as that of the Camel, was furnish'd with a Trunk, which is a Contexture bot Nerves and Muscles. which the stretches, shrinks, winds and turns every way to feize on Bodies, lift them up, or throw them off.: For which Reason the Latins call'd that Trunk, a Hand.

Certain Animals feem to be made, on purpose, for Man. The Dog is born to carefs and fawn upon him; to obey and be under Command; to give him an agreeable Image of

Society, Friendship, Fidelity, and Tenderness; to be true to his Trust; Bagerly to hunt down, course and catch feveral other Creatures, to leave them afterwards to Man. without retaining any part of the Quarry. The Horse, and such other Animals, are within the Reach and Power of Man; to ease him of his Labour, and to take upon them a Thousand Burdens. They are born to carry, to walk, to supply Man's Weakness, and to obey all his Mo-Oxen are endow'd with tions. Strength and Patience, in order to draw the Plough and till the Ground. Cows yield **streams** Milk. Sheep have in their Fleeces a Superfluity which is not for them, and which still grows and renews, as it were to invite Men to shear them every Year. Even Goats furnish Man with a long Hair, for which they have no use, and of which he makes Stuffs to cover himfelf. The Skins of fome Beafts supply Men with the finest and best Linings, in the Countries that are most remote from the Sun. Thus the Author of Nature has cleathed Beafts according

according to their Necessities; and their Spoils serve afterwards to cloath Men, and keep them warm in those frozen Climes. The Living Creatures that have little or no Hair have a very thick, and very hard Skin, like Scales; others have even Scales that cover one another, as Tiles on the Top of a House, and which either open or shut, as it best suits with the living Creature, either to extend itself, or shrink. These Skins and Scales serve the Necessities of Men: And thus in Nature, not only Plants, but Animals also are made for our Use. Wild Beasts themselves either grow tame, or at least, are afraid of Man. If all Countries were peopled and govern'd, as they ought to be, there would not be any where Beasts should attack Men. Wild Beasts would be found but in remote Forests, and they would be preserv'd in order to excercise the Courage, Strength, and Dexterity of Mankind, by a Sport that should represent War; so that there never would be any Occasion for real Wars among Nations. But observe that Living Creatures that are noxious to E $M^{s,r}$ to Man are the least teeming, and that the most useful, multiply most. There are, beyond Comparison, more Oxen and Sheep kill'd, than Bears or Wolves; and nevertheless the Number of Bears and Wolves is infinitely less than that of Oxen and Sheep still on Earth. Observe likewise, with Cicero, that the Females of every Species have a Number of Teats proportion'd to that of the Young ones they generally bring forth. The more young they bear, with the more Milk-springs, has Nature supply'd them, to suckle them.

While Sheep let their Wool grow for our Use, Silk-Worms, in Emulation with each other, spin rich Stuffs and spend themselves to bestow them upon us. They make of their Cod a Kind of Tomb, and shutting up themselves in their own Work, they are new-born under another Figure, in order to perpetuate themselves. On the other hand, the Bees carefully fuck and gather the Juice of Odorous and fragrant Flowers, in order to make their Honey; and range it in fuch an Order as may ferve for a Pattern to Men. Several In**fects**

ts are transform'd, sometimes in-Flys, sometimes into Worms, or aggots. If one should think such ects useless, let him consider, that at makes a Part of the Great Specle of the Universe, and confries to its Variety, is not altoger useless to sedate, and contemtive Men. What can be more ile, and more magnificent, than t great Number of Commonealths of Living Creatures so well vern'd, and every Species of which a different Frame from the or? Every thing hews how much Skill and Workmanship of the ificer surpasses the vile Matter has work't upon. Every living eature, nay even Gnats appear nderful to me. If one finds em ublesom, he ought to consider, t 'tis necessary that some Anxieand Pain be mix'd with Man's nveniencies: For it nothing should

derate his Pleasures, and exercise Patience, he would either grow and esseminate, or forget him-

SECT. XX. C.

Admirable Order in which all the Bodies that make up the Universe are ranged.

ET us now consider the Wonders that shine equally both in the largest, and the smallest Bodies. On the one fide, I fee the Sun so may Thousand Times bigger than the Earth; I see him circulating in a Space, in Compari-fon of which, he is himself but a bright Atom. I see other Stars, perhaps still bigger than he, that roll in other Regions, still farther distant from us. Beyond those Regions, which escape all Measure, I Itill confusedly perceive other Stars, which can neither be counted nor distinguish'd. The Earth, on which I stand, is but one Point, in Proportion to the Whole, in which no Bound can ever be found. The Whole is fo well put together, that not one fingle Atom can be put out of its Place, without unhinging this immense Machine; and it moves

in fuch excellent Order, that its very Motion perpetuates its Variety and Persection. Sure it must be the Hand of a Being, that does every Thing without any Trouble, that still keeps steddy, and governs this great Work for so many Ages; and whose Fingers play with the Uni- Ludens in verse, to speak with the Scripture. Orbe ter-

SECT. XXI.

Wonders of the Infinitely Little.

N the other Hand, the Work is no less to be admired in Little, than in Great: For I find as well in Little as in Great, a kind of Infinite that astonishes me. It furpasses my Imagination, to find in a Hand-worm, as one does in in Elephant or Whale, Limbs perectly well Organized; a Head, a 3ody, Legs, and Feet, as distinct ind as well form'd as those of the siggest Animals. There are in evey Part of those Living Atoms, Muscles, Nerves, Veins, Arteries, Blood; and in that Blood ramous Particles, and Humours; in these

Humours E ?

Humours some Drops that are themfelves composed of several Particles: Nor can one ever stop in the Discussion of this infinite Composition of so infinite a Whole.

The Microscope discovers to us in every Object, as it were a Thoufand other Objects that had escap'd our Notice. But how many other Objects are there in every Object discover'd by the Microscope, which the Microscope it felf cannot discover? What should not we see if we could still subtilize and improve more and more the Instruments, that help out weak and dull Sight? Let us fulply by our Imagination what our Eyes are defective in; and let our Fancy it self be a kind of Microscope, and represent to us in every Atom a Thousand new and invisible Worlds: But it will never be able incessantly to paint to us new Discoveries in little Bodies: it will be tired, and forced at last to stop, and sink, leaving in the smallest Organ of a Body, a Thousand Wonders undiscover'd.

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SECT. XXII.

Of the STRUCTURE or FRAME of the ANIMAL.

Lin'the Animal's Machine, which has Three Things that never can be too much admired: First, It has mit wherewithal to defend it self against those that attack it, in order to destroy it. Secondly, It has a Faculty of reviving it self by Food. Thirdly, It has wherewithal to perpetuate its species by Generation. Let us befow some Considerations on these Three Things.

SECT. XXIII.

Of the Instinct of the Animal.

A Nimals are endow'd with what is call'd Inflinet, both to approach useful and beneficial Objects, and to avoid such as may be noxious and destructive to them. Let us not inquire wherein this Instinct consists, but content our selves with

The Existence

Matter of Fact, without Reasoning

upon it.

The tender Lamb smells his Dam afar off, and runs to meet her. A Sheep is seiz'd with Horror at the Approach of a Wolf, and flies away before he can discern him. The Hound is almost infallible in finding out a Stag, a Buck, or a Hare, only by the Scent. There is in every Animal an imperuous Spring, which, on a fudden, gathers all the Spirits; distends all the Nerves; renders all the Joints more fupple and pliant; and increases in an incredible manner, upon sudden Dangers, his Strength, Agility, Speed, and Cunning, in order to make him avoid the Object that threatens his Destruction. The Question in this Place is not to know, whether Beafts are endow'd with Reason or Understanding: For I do not pretend to engage in any Philosophical inquiry. The Motions I speak of are intirely Indeliberate, even in the Machine of Man. If, for Instance, a Man that dances on a Rope, should, at that Time, reason on the Laws and Rules of Equilibrium, his Reasoning

Reasoning would make him lose that very Equilibrium, which he preserves admirably well without arguing upon the Matter; and Reafon: would then be of no other Use to him but to throw him on the Ground. The same happens with Beafts; Nor will it avail any Thing to object, that they reason as well as Men; for this Objection does not in the least weaken my Proof; And their Reasoning can never serve to account for the Motions we admire most in them. Will any one affirm that they know the nicest Rules of Mechanicks, which they with perfect Exactness, whenever they are to run, leap, swim, hide themselves, double, use shifts to avoid pursuing Hounds, or to make use of the strongest Part of their Bodies to defend themselves? Will he say that they naturally understand the Mathematicks, which Men are ignorant of? Will he dare to advance, that they perform with Deliberation and Knowledge all those impetuous and yet so exact Motions, which even Men perform without Study or Premeditation? Will he wolls allow them to make use of Reason in those Motions, wherein 'tis cerpain Man does not? Tis an Infliact, will be fay, that Beafts are govern'd by. I grant it: For 'tis, insteed, an Instinct. Bur this Instinct is an admirable Sagacity and Dexpecity, not in the Beafts, who nelther do, nor can then have Time, to reason; but in the superior Wisdom that governs them. That Instinct, or Wisdom that thinks, and watches for Beafts; in indetibecate Things, wherein they could neither watch nor think, even furpoling them to be as reasonable as we. can be no other than the Wisdom of the Artificer that made these Machines. Let us therefore talk no more of Infinit or Nature; which are but fine empty Names, in the Mouth of the Generality that pronounce them. There is in what they call Nature and Infinet, a superior Art, and Contrivance, of which Humane Invention is but a Shadow. What's beyond all Question is, That there are in Beafts a prodigious Number of Motions entirely indeliberate, and which,

vet are perform'd according to the nicest Rules of Mechanicks. the Machine alone that follows those Rules: Which is a Fact independent from all Philosophy; and Matter of Fact is ever decisive. What would a Man think of a Watch that should fly or slip away, turn again, or defend it felf, for its own Preservation, if he went about to break it? Would he not admire the Skill of the Artificer? Could he be induced to believe that the Springs of that Watch had form'd, proportion'd, ranged, and united themselves, by mere Chance? Could he imagine that he had clearly explain'd and accounted for such industrious and skilful Operation, by talking of the Nature and Infind of a Watch, that should exactly shew the Hour to his Mafler, and flip away from fuch as should go about to break its Springs to Pieces?

SECT. XXIV.

7 HAT's more noble than a Machine which continually repairs, and renews it felf? The Animal, stinted to his own Strength, is foon tired and exhausted by Labour: But the more he takes Pains, the more he finds himself press'd to make himself Amends for his Labour, by more plentiful Feeding. Aliments daily restore the Strength he had fost. He puts into his Body another Substance that becomes his own, by a Kind of Metamorpholis. At first it is pounded, and being changed into a Liquor, it purifies, as if it were strain'd thro' a Sieve, in order to separate any Thing that's gross from it: afterwards it arrives at the Center, or Focus of the Spirits, where it is subtiliz'd, and becomes Blood. And running, at last, and penetrating through numberless Vessels to moisten all the Members, it filtrates in the Flesh, and becomes it self Flesh. So many Aliments, and Liquors of various Colours, are then

no more than one and the same Flesh; and Food which was but an Inanimate Body, preserves the Life of the Animal, and becomes Part of the Animal himself; the other Parts of which he was composed being exhaled by an insensible and continual Transpiration. The Matter which, for Instance, was Four Years ago such a Horse, is now but Air, or Dung. What was then either Hay, or Oats, is become that same Horse, so fiery, and vigorous: At least, he is accounted the same Horse, notwithstanding this infensible Change of his Substance.

SECT. XXV.

Of SLEEP.

is Sleep; in which the Animal forbears not only all his outward Motions, but also all the Principal inward Operations, which might too much stir and dissipate the Spirits. He only retains Respiration, and Digestion; so that all Motions that might

might wear out his Strength are fulpended, and all fuch as are proper to recruit and renew it, go on freely of themselves. This Repose, which is a Kind of Inchantment, returns every' Night, while Darkness interrupts and hinders Labour. Now, who is it that contrived such a Suspension? Who is it that so well chose the Operations that ought to continue; and, with fo just Discernment, excluded all fuch as ought to be interrupted? The Next Day, all past Fatigue is gone and vanish'd. The Animal works on, as if he had never work'd before: and this Reviving gives him a Vivacity and Vigour that invites him to new Labour. Thus the Nerves are still full of Spirits, the Flesh smooth, the Skin whole, tho' one would think it should waste and tear: The Living Body of the Animal foon wears out. Inanimate Bodies, even the most solid that are about it; and yet does not wear out it felf. The Skin of a Horse, for Instance, wears out feveral Saddles; and the Flesh of a Child, tho very delicate and tender, wears out many Cloaths, whilst it daily grows thronger. If this Renewing of Spi-: . . . eziz

rits were perfect, it would be real Immortality, and the Gift of Eternal Youth. But the same being imperfect, the Animal insensibly loses his Strength, decays, and grows old, because every Thing that's created ought to bear a Mark of Nothing, ness from which it was drawn, and have an End.

SECT. XXVI.

Of GENERATION.

the Multiplication of Animals? Look upon the Individuals: No Animal is immortal. Every Thing grows old; every Thing palfes away; every Thing disappears; every Thing, in short, is annihilated. Look upon the Species: Every Thing substitutes; every Thing is permanent, and immutable, tho' in a constant Vicissitude. Ever since there have been on Earth Men that have taken care to preserve the Memory of Events, no Lions, Tigers, Wild-Boars, or Bears, were even known

to form themselves by Chance, Caves, or Forests. Neither do see any Fortuitous Productions Dogs, or Cats. Bulls and Sheep never born of themselves, either Stables, Folds, or on Pastu Grounds. Every one of those A mals owes his Birth to a cert Male and Female of his Species.

All those different Species are r ferv'd much the same, in all As We do not find that for Three Th fand Years past, any one has perist or ceased; neither do we find t any one multiplies to fuch an Exc as to be a Nusance, or Inconveni cy to the rest. If the Species of ons, Bears, and Tigers, multiple to a certain excessive Degree, th would not only destroy the Species Stags, Bucks, Sheep, Goats. Bulls; but even get the Mastery ver Mankind, and unpeople Now who maintains so i a Measure, as never either to ext guish those different Species, or ver to fuffer them to multiply fast?

But this continual Propagation every Species is a Wonder with wh

we are grown too familiar. What would a Man think of a Watch-maker, who should have the Art to make Watches, which, of themfelves, should produce others ad infinitum, in such a Manner that Two Original Watches should be sufficient to multiply and perpetuate their Species over the whole Earth? What would he fay of an Architect, that should have the Skill to build Houses. which should build others, to renew the Habitations of Men, before the First should decay and be ready to fall to the Ground?'Tis however what we daily fee among Animals. They are no more, if you please, than mere Machines, as Watches are: But, after all, the Author of these Machines has endow'd them with a Faculty to reproduce or perpetuate themselves ad infinitum, by the Conjunction of Affirm, if you please, Both Sexes. that this Generation of Animals is perform'd, either by Moulds or by an express Configuration of every Individual; which of these Two Opinions you think fit to pitch upon, it comes all to one; nor is the Skill of the

the Artificer less conspicuous. you suppose that at every Generation, the Individual, without being cast into a Mould, receives a Configuration made on purpose: I ask, who it is that manages and directs the Configuration of fo compounded Machine, and which argues fo much Art and Industry? If, on the contrary, to avoid acknowledging any Art in the Case, you suppose that every Thing is determin'd by the Moulds: I go back to the Moulds themselves, and ask, who is it that prepared them? In my Opinion they are still greater Matter of Wonder, than the very Machines which are pretended to come out of them.

Therefore let who will suppose that there were Moulds in the Animals that lived Four Thousand Years ago, and affirm, if he pleases, that those Moulds were so inclosed one within another ad insinitum, that there was a sufficient Number for all the Generations of those Four Thousand Years; and that there is still a sufficient Number ready prepared for the Formation of all the Animals that shall preserve their Species in all suc-

ceeding

ceeding Ages. Now, these Moulds which, as I have observ'd, must have all the Configuration of the Animal, are as difficult to be explain'd, or accounted for, as the Animals themselves: And are besides attended with far more unexplicable Wonders. 'Tis certain that the Configuration of every individual Animal requires no more Art and Power than is neceffary to frame all the Springs that make up that Machine; but when a Man supposes Moulds: First, He must affirm, That every Mould contains in Little, with unconceivable Niceness, all the Springs of the Machine it self: Now, 'tis beyond Dispute, that there is more Art in making so compound a Work in Little, than in a larger Bulk. Secondly, He must suppose, That every Mould, which is an Individual prepared for a first Generation, contains distinctly within it felf, other Moulds contain'd within one another ad infinitum, for all possible Generations, in all succeeding Ages. Now what can be more artful, and more wonderful in Matter of Mechanism, than such a Preparation of an infinite Number of Individuals, all form'd, before hand, in One from which they are t fpring? Therefore the Moulds are c no Use to explain the Generations c Animals, without supposing any Ar or Skill: For, on the contrary Moulds would argue a more Artistical Mechanism, and more wonders

Composition.

What's manifest and undisputable independently from all the Systems (Philosophers, is, that the fortuitor Concourse of Atoms, never produce without Generation, in any Part the Earth, any Lions, Tiger Bears, Elephants, Stags, Sheep, Cats, Dogs, or Horse These, and the like, are never pro duc'd but by the Encounter of Tw of their Kind of different Sex. Two Animals that produce a Third are not the True Authors of the Ar that shines in the Composition of th Animal ingendred by them. are fo far from knowing how to pe form that Art, that they do not much as know the Composition, Frame of the Work that refulrs from their Generation. Nay, they kno not so much as any particular Sprir

of it; having been no more than blind and unvoluntary Instruments, made use of for the Performance of a Marvellous Art, to which they are absolute Strangers, and of which they perfectly ignorant. Now I'd fain Know, whence comes that Art, which is none of theirs? What Power and Wisdom knows how to employ, for the Performance of Works of fo ingenious and intricate a De-Instruments so uncapable to know what they are doing, or to have any Notion of it? Nor does it avail any Thing to suppose that Beasts are endow'd with Reason: Let a Man suppose them to be as rational as he pleases in other Things: yet he must own, that in Generation, they have no share in the Art that's conspicuous in the Composition of the Animals they produce.

Let us carry the Thing further, and take for granted the most wonderful Instances that are given of the Skill and Forecast of Animals. Let us admire, as much as you please, the Certainty with which a Hound takes a Spring into a Third Way; as soon as he finds by his F?

Nose, that the Game he pursues has left no Scent in the other Two. Let us admire the Hind, who, they fay, throws a good Way off her Young Fawn, into some hidden Place, that the Hounds may not find him out by the Scent of his strain. Let us even admire the Spider who with her Cobwebs lays fubtle Snares to trap Flys, and fall unawares upon them before they can difintangle themselves. Let us also admire the Hern, who, they puts his Head under his Wing, in order to hide his Bill under his Feathers, thereby to stick the Breast of the Bird of Prey that stoops at him. Let us allow the Truth of all these wonderful Instances of Rationality; for all Nature is full of fuch Prodigies. But what must we infer from them? In good Earnest, if we carefully examine the Matter, we'll find that they prove too much. Shall we say, That Animals are more rational than We? Their Instinct has undoubtedly more certainty than our Conjectures. They have learnt neither Logick nor Geometry: Neither have they any Course

or Method of Improvement, or any Science. Whatever they do is done of a fudden without Study, Preparation, or Deliberation. We commit Blunders and Mistakes every Hour of the Day after we have a long while argued and confulted together: Whereas Animals, without any Reafoning, or Premeditation, perform every Hour, what seems to require most Discernment, Choice, and Exactness. Their Instinct is in many Things, infallible: But that Word, Instinct is but a fair Name void of Sence. For what can an Instinct more just, exact, precise, and certain than Reason itself mean, but a more perfect Reason? We must therefore suppose a wonderful Reason and Understanding, either in the Work, or in the Artificer; either in the Machine, or in him that made it. When for Instance, I find that a shews the Hours with such Exactness as furpasses my Knowledge: I prefently conclude, that if the Watch itself does not reason, it must have been made by an Artificer, who, in that Particular, reason'd better and had more Skill than Myself. In like F 4

like manner, when I fee Animals, who every Moment perform Actions that argue a more certain Art and industry than I am Master of, I immediately conclude, that fuch marvellous Art must necessarily be either in the Machine, or in the Artificer that framed it. Is it in the Animal himself? But how is it possible he should be fo Wife, and so infallible in some Things? And if this Art is not in him, it must of necesfity be in the Supream Artificer that made that Piece of Work, just as all the Art of a Watch isin the Skill of the Watchmaker.

SECT. XXVII.

Tho' Beasts commit some Mistakes, yet their Instinct is, in many Cases, Infalli-Ble.

Infinct of Beasts is in some Things desective, and liable to Error. 'Tis no wonder Beasts are not infallible in every Thing, but 'tis rather a Wonder they are so in many Cases. If they were infallible in every Thing,

Thing, They should be endow'd with a Reason infinitely perfect; in short, they should be Deities. In the Works of an infinite Power there can be but a finite Perfection: Otherwise God should make Creatures like, or equal to Himself, which is impossible. He therefore cannot place Perfection, nor confequently Reason in his Works, without some Bounds, and Restrictions: But those Bounds do not prove that the Work is void of Order or Reason. Because I mistake fometimes, it does not follow, that I have no Reason at all, and that I do every thing by mere Chance; but only that my Reason is stinted, and imperfect. In like manner, because a Beast is not by his Instinct infallible in every thing, tho' he be fo in many, it does not follow that there is no manner of Reason in that Machine; but only, that fuch a Machine has not a boundless Reason. But after all, 'tis a constant Truth, that in the Operations of that Machine, there is a regular Conduct, a marvellous Art, and a Skill which in many Cafes, amounts to Infallibility. Now, to whom shall we ascribe this infallible

ficer?

SECT. XXVIII.

'Tu impossible BEASTS should have Souls.

Souls different from their Machines, I immediately ask you, of what Nature are those Souls, entirely different from, and united to Bodies. Who is it that knew how to unite them to Natures so vastly different? Who is it that has such absolute Command over so opposite Natures, as to put and keep them in such a regular, and constant a Society, and wherein mutual Agreement and Correspondence are so necessary and so quick?

If on the contrary you suppose that the same Matter may sometimes think, and sometimes not think according to the various Rangling, and Configurations it may receive; I will not tell you in this Place, that Matter cannot think; and that one cannot conceive that the Parts of a Stone, without adding any thing to it, may

ever know themselves, whatever Degree of Motion, whatever Figure you may give them. I will only ask you now, wherein that precise Ranging and Configuration of Parts, which you speak of, consists? According to your Opinion there must be a Degree of Motion, wherein Matter does not yet reason, and then another much like it, wherein, on a fudden, it begins to reason, and know itself. Now, who is it that knew how to pitch upon that precise De. gree of Motion? Who is it that has discover'd the Line in which the Parts ought to move? Who is it that has measured the Dimensions so nicely as to find out and state the Bigness, and Figure every Part must have. to keep all manner of Proportions between themselves in the Whole? Who is it that has regulated the outward Form, by which all those Bodies are to be stinted? In a Word, who is it that has found all the Combinations, wherein Matter thinks, and without the least of which, Marter must immediately cause to think? If you fay 'tis Chance: I answer, that you make Chance rational to fuch a Degree, as to be the Source of Reason it self. Strange Prejudice and Intoxication of some Men, not to acknowledge a most Intelligent Cause, from which we derive all Intelligence; and rather chuse to affirm, that the purest Reason, is but the Essect of the Blindest of all Causes, in such a Subject as Matter, which of it self, is altogether incapable of Knowledge! Certainly there's nothing a Man of Sense would not admit, rather than so extravagant and absurd an Opinion.

SECT. XXIX.

SENTIMENTS of some of the Ancients, concerning the Soul and Knowledge of Beasts.

HE Philosophy of the Ancients, tho' very lame and imperfect, had nevertheless a Glimpse of this Difficulty: And therefore in order to remove it, some of them pretended, That the Divine Spirit, interspers'd and scatter'd throughout the Universe, is a superior Wisdom,

dom, that continually operates in all Nature, especially in Animals, just as Souls act in Bodies; and that this continual Impression, or Impulse of the Divine Spirit, which the Vulgar call Instinct, without knowing True Signification of that Word, was the Life of all living Creatures. They added, That those Sparks of the Divine Spirit were the Principle of all Generations; That Animals receiv'd them in their Conception, and at their Birth; and that the Moment they dy'd, those Divine Particles disengaged themselves from all terrestrial Matter, in order to fly up to Heaven, where they shone and roll'd among the Stars. 'Tis this Philosophy, at once so magnificent and fo fabulous, which Virgil fo gracefully expresses, in the following Verses upon Bees:

Esse * quibus Partem Divina Mentu, & baustus Ætherios dixere: Deum namque ire per omnes

* Virg. Georg. Lib. iv.

Terrajque, Trastufque Marie, Cælumque profundum.

Hinc Pecudes, Armenta, Viros, Genus omne Ferarum,

Quemque Sibi tenues nascentem arcessere Vitas.

Scilices.

Sideris in Numerum, atque alto succedere Culo.

That is,

- Induc'd by fuch Examples, some have taught
- That Bees have Portions of Etherial Thought:
- . Endu'd with Particles of Heavenly Fires:
- ' For GOD the whole created Mais inspires.
- ' Thro' Heav'n, and Earth, and Ocean Depth He [throws
- " His Influence round, and kindles as He goes.
- 4 Hence Flocks, and Herds, and Men, and Beafts, [and Fowls,
- With Breath are quicken'd, and attract their Souls.
- . Hence take the Forms His Prescience did ordain,
- ' And into Him, at length, resolve again.
- * No Room is left for DEATH, they mount the Sky,
- ' And to their own congenial Planets fly.

 Dryden's Virgil.

That Divine Wisdom that moves all the known Parts of the World, had made so deep an Impression upon

upon the Stoicks, and on Plato before them, that they believ'd the whole World to be an Animal: But a Rational, and Wife Animal, in short, the Supreme God. This Philosophy reduc'd Polytheism. the Multitude of Gods, to DEISM, or One God; and that One GOD to NATURE, which according to them was Eternal. Infallible, Intelligent, Omnipotent, and Divine. Thus Philosophers. by striving to keep from, and rectify the Notions of Poets, dwindled again, at last, into Poetical Fancies; since they affign'd as the Inventors of Fables did, a Life, an Intelligence, an Art, and a Design to all the Parts of the Universe, that appear most inanimate. Undoubtedly, they were sensible of the wonderful Art that's conspicuous in Nature; And their only Mistake lay in Ascribing to the Work, the Skill of the Artificer.

SECT. XXX.

Of MAN.

LET us not stop any longer with Animals inferior to Man. 'Tis high Time to confider and study the Nature of Man himself, in order to discover Him, whose Image he is faid to bear. I know but two forts of Beings in all Nature: Those that are endow'd with Knowledge or Reason, and those that are not. Now Man is a Compound of these two Modes of Being. He has a Body, as the moit inanimate corporeal Bodies have; And he has a Spirit, a Mind, or a Soul, that is, a Thought whereby he knows himself, and perceives what's about him. If it be true, that there is a First Being who has drawn or created all the rest from Nothing, Man is truly his Image; For he has, like Him, in his Nature all the real Perfection that is to be found in those two various Kinds or Modes of Being. But an Image, is but

but an Image still, and can be but an Adumbration or Shadow of the

true Perfect Being.

Let us begin to study Man by the Contemplation of his Body. I know not, said a Mother to her Children, in the Holy Writ, how you were form'd in my Womb. Nor is it. indeed, the Wisdom of the Parents that forms to compounded, and to regular a Work. They have no share in that wonderful Art; let us therefore leave them, and trace in up higher.

SECT. XXXI.

Of the STRUCTURE of MAN's BODY.

THE Body is made of Clay; But let us admire the Hand that framed and polish'd it. The Artificer's Seal is stampt upon his Work. He seems to have delighted in making a Malter-Piece with fo' vile a Matter. Let us cast our Eyes upon that Body, in which the Bones fustain the Flesh that covers them. The Nerves that are extended in it, make up all its Strengh;

and the Muscles with which the Sinews weave themselves, either by fwelling, or extending themselves, perform the most exact and regular Motions. The Bones are divided at certain distances; but they have Joints, whereby they are fet one within another; and are tied by Nerves, and Tendants. Cicero, admires with Reason, the excellent Art with which the Bones are knit together: For what's more supple tor all various Motions? And, on the other Hand, what's more firm and durable? Even after a Body is dead, and its Parts are separated by Corruption, we find that these Joints and Ligaments can hardly Thus this Humane be destroy'd. Machine or Frame is either Strait or Crooked, Stiff or Supple, as we please. From the Brain, which is the Source of all the Nerves, foring the Spirits, which are so subtles that they escape the Sight; and nevertheless so real, and of so great Activity and Force, that they perform all the Motions of the Machine. and make up all in Strength. These. Spirits are, in an Instant, convey'd

to the very Extremities of the Members. Sometimes they flow gently and regularly, fometimes they move with Impetuofity, as Occasion requires; and they vary, ad Infinitum, the Postures, Gestures, and other Actions of the Body.

SECT. XXXII.

Of the Skin.

ET us confider the Flesh. is cover'd in certain Places with a soft and tender Skin, for the Ornament of the Body. If that Skin, that renders the Object fo agreeable, and gives it so sweet a Colour, were taken off, the same Object would become ghastly, and create Horror. In other Places that same Skin is harder and thicker. in order to relift the Fatigue of those Parts. As for Instance, how harder is the Skin of the Feet than that of the Face? And that of the hinder Part of the Head, than that of the Forehead? That Skin is all over full of Holes like a Sieve: But those Holes, which are call'd Pores,

The Existence

Pores, are impersceptible. Altho's Sweat, and other Transpirations exhale through those Pores, the Blood never runs out that way. That Skin has all the Tenderness necessary to make it transparent, and give the Pace a lively, sweet, and graceful Colour. If the Skin were less close, and less smooth, the Pace would look bloody, and excoriated. Now, who is that knew how to temper and mix those Colours with such Nicety, as to make a Carnation which Painters admire, but never can persectly imitate?

SECT. XXXIII.

Of Veins and Arteries.

HERE are in Man's Body numberless Branches of Blood-Vessels. Some of them carry the Blood from the Center to the extream Parts, and are call'd Arteries. Through those various Vessels runs the Blood, a Liquor Soft, and Oily, and by this Oiliness proper to retain the most subtle Spirits, just as the most subtle and spirituous Essences

are preferv'd in gummy Bodies. This Blood moistens the Flesh, as Springs and Rivers water the Earth; and after it has filtrated in the Flesh, it returns to its Source, more slowly, and less full of Spirits: But it renews, and is again subtiliz'd in that Source, in order to circulate without Ceasing.

SECT. XXXIV.

Of the Bones, and the Jointings

O you confider that excellent Order and Proportion of the Limbs? The Legs and Thighs are great Bones jointed one with another, and knit together by Nerves. They are two Sorts of Pillars, equal. and regular, erected to support the whole Fabrick. But those Pillars fold; and the Rotula + of the Knee, + vulearly is a Bone of a Circular Figure, the Kneewhich is placed on purpose on the pan-Joint, in order to fill it up, and preserve it, when the Bones fold, for the Bending of the Knee. Each Column or Pillar has its Pedestal. which is compos'd of various inlaid G 3 Parts,

Parts, so well jointed together, that they can either bend, or keep stiff, as occasion requires. The Pedestal. I mean the Foot, turns, at a Man's Pleasure, under the Pillar. In this Foot we find nothing but Nerves, Tendants, and little Bones closely knit, that this Part may, at once, be either more supple, or more firm, according to various Occasions. Even the Toes with their Articles and Nails, serve to feel the Ground a Man walks on, to lean and stand with more Dexterity and Nimbleness, the better to preserve the Equilibrium of the Body, to rife, or to stoop. The Two Feet stretch forward, to keep the Body from falling that way, when it froops, or bends. The Two Pillars are jointed together at the Top, to bear up the rest of the Body: but are fill divided there in such a Manner, that that Joint affords Man the Conveniency of resting himsels, by sitting on the Two biggest Muscles of the Body.

The Body of the Structure is proportion'd to the Height of the Pillars. It contains such Parts as

enecessary for Life, and which conquently ought to be placed in the enter, and thut up in the securest Therefore Two ibs pretty close to one another. at come out of the Back-Bone, the Branches of a Tree do from Trunk form a kind of Hoopy to de and shelter those noble and nder Parts. But because the Ribs uld not entirely that up that Conr of the Humane Body, without ndering the Dilatation of the Stoach and of the Entrails, they form at Hoop but itara certain Place. low; which they lleave an tempty ace, that the Infide may freely stend and stretch, both for Reform tion, and Feeding. As for the Back-Bone, all the orks of Man afford nothing fo tfully and curiously wrought. It ould be too stiff, and too frangible brittle, if it were made of one igle Bone: And in such a Case an could never bend on froom he Author of this Machine has evented that Inconveniency, by ming Vertebra, which jointing one th another make up a Whole con- G_{4}

fifting of feveral Pieces of Bones, more firong than if it were of a fingle Piece. This Compound being fometimes supple and pliant, and sometimes stiff, stands either upright, or bends, in a Moment, as a Man pleases. All these Vertebra have in the Middle a Gutter or Channel, that ferves to convey a Continuation of the Substance of the Brain to the Extremities of the Bothousand with speed to send thither Spiriss through that Pipe. mBhy who can forbear Admiring the Nature of the Bones ? They are very hard; and we see that even the Corruption of all the rest of the Body, after Death, does not affect them. Nevertheless they are full of numberless Holes and Cavities that make them lighter; and in the Middle they are full of the Marrow, or Path, that is to nourish them. They are bored exactly in those Places through which the Ligaments that knit them are to pass. Moreover, their Extremities are bigger than the Middle, and form, as it were, two Semicircular Heads, to make one Boge turn more eafily $G \ge$ 200

with another, that so the whole may fold and bend without Trouble.

SECT. XXXV.

Of the ORGANS.

Ithin the Inclofure of Ribs are placed in Order, all the Great Organs, such as serve to make a Man breath; fuch as digest the Aliments; and fuch as make new Blood. Respiration, or Breathing is necessary to temper inward Heat, occasion'd by the Boyling of the Blood, and by the impetuous Course of the Spirits. The Air is Kind of Food that nourishes the Animal, and by Means of which he renews himself, every Moment of his Life. Nor is Digestion less necessary to prepare sensible Aliments towards their being changed into Blood; which is a Liquor apt to penetrate every where, and to thicken into Flesh in the extream Parts, in order to repair in all the Members, what they lofe continually both by Transpiration, and the Waste of Spirits. The Lungs are like great Covers, which being Spungy, easily dilate and contract themselves, and as they incessantly take in, and blow out a great Deal of Air, they form a Kind of Bellows that are in perpetual Motion. The Stomach has a Dissolvent that causes Hunger, and puts Man in Mind of his Want of Food. That Dissolvent, which fimulates and pricks the Stomach, does, by that very Uneasiness, prepare for it a very lively Pleasure, when its Craving is fatisfied by the Aliments. Then Man, with Delight, fills his Belly with strange Matter; which would create Horror in him, if he could fee it as foon as it has enter'd his Stomach, and which even displeases him, when he sees it being already fatisfied. The Stomach is made in the Figure of a Bag-Pipe. There the Aliments being dissolv'd by a quick Coction, or Digestion, are all confounded, and make up a loft Liquor, which afterwards becomes a Kind of Milk. call'd Chyle; and which being, at last, brought into the Heart, receives there, through the Plenty of Spirits,

the Form, Vivacity, and Colour of Blood. But while the purest Juice of the Aliments passes from the Stomach into the Pipes destin'd for the Preparation of Chyle and Blood, the grofs Particles of the same Aliments are separated, just as Bran is from Flower by a Sieve; and they are dejected downwards to ease the Body, of them, through the most hidden Passages, and the most remote from the Organs of the Senses, lest these be offended at them. Thus the Wonders of this Machine are fo great and numerous, that we find some unfathomable, even in the most abject and Mortifying Functions of the Body, which Modesty will not allow to be more particularly explain'd.

Sicr. XXXVI.

A. S. S. M. Mark C. C. C.

Of the INWARD PARTS.

Own that the inward Parts are not so agreeable to the Sight, as the Outward: But then be pleas'd to observe, they are not made to be seen. Nay, it was necessary, according

cording to Art and Delign, that they should not be discover'd works out Horror: And that a Man should not without Violent Reductance, go about to discover them, by cutting open this Machine in another Man. Tis this very Horror that prepares Compassion and Humanity in the Hearts of Men, when one fees another wounded a or hurti-Add to this, with St. Mustin, that there are in those inward Parts a Proportion, Order, and Mechanisms which still please more an attentive inquisitive Mind, than external Beauty can please the Eyes of the Body. That Inside of Man, which is at once so ghastly and horridy and fo wonderful and admirable isvens actly as it should be, to denote DIRT AND CLAY WROUGHT BY A DIVINE HAND: For we find in it, both the Pfailty of the Creature, and the Art of the Creator.

SECT

Sic T. XXXVII.

Of the Anias, and their UsE.

Rom the Top of that precious Fabrick we have describ'd, hang, the two Arms, which are terminated by the Hands, and which bear a perfect Symmetry one with another. The Arms are knit with the Shoulders, in such a Manner, that they have a free Motion in that Joynt. They are besides divided at the Elbow, and at the Wrist, that they may fold, bend, and turn with Quickness. The Arms are of a just Length to reach all the Parts of the Body. They are nervous and full of Muscles, that they may, as well as the Back, be often in Action, and sustain the greatest Fatigue of all the Body. The Hands are a Contexture of Nerves and little Bones, fet one within another in such a Manners that they have all the Strength and Suppleness necessary, to teel the Neighbouring Bodies, to seize on them, hold them fast, throw them, draw them to one, push them off, dissindifintangle them, and untie them one from another. The Fingers, the Ends of which are armed with Nails, are by the Delicacy and Variety of their Motions, contrived to exercise the most curious and marvellous Arts. The Arms and Hands ferve also, according as they are cither extended, folded, or turn'd, to poise the Body in such a manner, as that it may stoop, without any Danger of Falling. The whole Machine has belides, independently from all After-Thoughts, a Kind of Spring that poises it on a sudden, and makes it find the Equilibrium, in all its different Postures and Positions.

SECT. XXXVIII.

Of the NECK and HEAD.

Bove the Body rifes the Neck, which is either firm, or flexible at Pleasure. Must a Man bear a heavy Burden on his Head? This Neck becomes as stiff as if it were made up of one single Bone. Has he a Mind to bow, or turn his Head? The Neck bends-every Way,

as if all its Bones were disjointed. This Neck, a little raised above the Shoulders, bears up with Ease the HEAD, which over-rules and governs the whole Body. If it were less big, it would bear no Proportion with the rest of the Machine. And if it were bigger, it would not only be disproportion'd and deformed, but, besides, its Weight would both crush the Neck; and put Man in Danger of falling on the Ede it should lean a little too much. This Head, fortified on all fides by very thick and very hard Bones, in order the better to preserve the precious Treasure it encloses, is jointed with the Vertebra of the Neck. and has a very quick Communication with all the other Parts of the Body. It contains the Brain, whose Moift, Soft, and Spungy Substance, is made up of tender Filaments or Threads, woven together. This is the Center of all the Wonders we shall speak of asterwards. The Skull is regularly perforated, or bored, with exact Proportion and Symmetry, for the Two Eyes, the Two Eurs, the Mouth, and the Noscrils. Prest T .

There are Nerves destin'd for Senfations, that exercise and play in most of those Pipes. The Nose. which has no Nerves for its Sensation, has a Cribrs-Form, or Spungy-Bone, to let Odours pass on to the Brain. Amongst the Organs of these Sensations, the Chief are double, to preferve to one fide what the other might happen to be defective in by any Accident. These two Organs of the same Sensation are symmetrically placed either on the Forepart, or on the Sides, that Man may use them with more Ease, to the Right, or to the Left, or right against him, that is to say, towards the Place his Joynts direct his Steps, and all his Actions. Besides, the Flexibility of the Neck makes all those Organs turn in an Instant which way foever he pleases. the hinder Part of the Head, which is the least able to defend it self, is therefore the thickest. It is adorn'd with Hair, which at the fame time, serves to fortify the Head against the Injuries of the Air. And, on the other Hand, the Hair likewise adorns the Forepart of the Head, and renders

the Face more graceful. The Face, is the Porepart of the Head, wherein the principal Sensations meet and center, with an Order and Proportion that render it very beautiful, unless some Accident or other happen to alter and impair so regular a Piece of Work. The two Eyes are equal, being placed about the Middle, on the two Sides of the Head, that they may, without Trouble, discover afar off, both on the Right and Left, all strange Objects; and that they may commodiously watch for the Safety of all the Parts of the Body. The exact Symmetry with which they are placed, is the Ornament of the Face: And He that made them, has kindled in them, I know not what Celestial Flame. the like of which all the rest of Nature does not afford. These Eyes are a fort of Looking Glasses, wherein all the Objects of the whole World are painted by turns, and without Confusion, in the Bottom of the Retina * that the Thinking Part of + Or Net-Man may see them in those Look-like Meming-Glasses. But tho' we perceive brane of all Objects by a double Organ, yet we the Eye.

never see the Objects double, because the Two Nerves that are Subservient to Sight in our Eyes, are but two Branches that unite in one Pipe, as the Two Glasses of a Pair of Spectacles unite in the Upper Part that joins them together. The Two Eyes are adorn'd with Two equal Eye-Brows; and that they may open and close, they are wrapp'd up with Lids, edg'd with Hair that desend so delicate a Part.

SECT. XXXIX.

Of the FOREHEAD, and other PARTS of the FACE.

HE Forehead gives Majesty and Gracefulness to all the Face; and serves to heighten all its Features. Were it not for the Nose which is placed in the Middle, the whole Face would look stat and deform'd; of which they are fully convinc'd who have happen'd to see Men, in whom that Part of the Face is mutilated. It is placed just above the Mouth, that it may the more easily discern, by the Odours, whatever is most proper to seed Man.

Man. The Two Nostrils serve at once, both for the Respiration, and Smell. Look upon the Lips: Their lively Colour, Freshness, Figure, Seat, and Proportion, with the other Features, render the Face most beautiful. The Mouth, by the Correspondence of its Motions, with those of the Eyes, animates, gladdens, suddens, softens, or troubles the Face, and by sensible Marks expresses every Passion. The Lips not only open to receive Food, but by their Suppleness, and the Variety of their Motions serve likewise to vary the Sounds that form Speech. When they open, they discover a double Row of Teeth, with which the Mouth is adorn'd. These Teeth are little Bones, fet in order, in the Two Jaw-Bones, which have a Spring to open, and another to shut, in fuch a manner, that the Teeth grind, like a Mill, the Aliments, in order to prepare their Digeftion. But these Aliments thus ground go down into the Stomach, through a Pipe different from that through which we breath; And these Two Pipes, tho' so neighbouring, have nothing com-·Η 2 mon.

SECT. XL

Of the TONGUE and TEETH.

THE Tongue is a Contexture of small Muscles and Nerves so very supple, that it winds and turns like a Serpent, with unconceivable Mobility and Pliantness. It performs in the Mouth the same Office, which either the Fingers, or the Bow of a Master of Musick perform on a Musical Instrument: For sometimes it strikes the Teeth. fometimes the Roof of the Mouth. * The There is a Pipe * that goes into the Wind-Pipe Inside of the Neck, call'd Throat, from the Roof of the Mouth to the Breast, which is made up of Cartilaginous Rings nicely fet one within another, and lin'd within with a very smooth Membrane, in order to render the Air that's push'd from the Lungs more fonorous. On the fide of the Roof of the Mouth the End of that Pipe is open'd like a Flute, by a slit, that either extends, or contracts it self as is necessary to render the Voice either

big, or flender, hollow, or clear. But lest the Aliments, which have their separate Pipe should slide into the Wind-Pipe, I have been describing, there's a kind of Valve that lies on the Orifice of the Organ of the Voice, and playing like a Draw-Bridge, lets the Aliments freely pass, through their proper Channel, but never suffers the least Particle or Drop, to fall into the Slit of the Wind-Pipe. This fort of Valve has a very free Motion, and easily turns any way: So that by shaking on that half-open'd Orifice, it performs the foftest Modulations of the Voice. This Instance is sufficient to shew by the by, and without entering long-winded Details of Anatomy, what a marvellous Art there is in the Frame of the inward And indeed the Organ I have described, is the most perfect of all Musical Instruments, nor have these any Persection, but so sar as they imitate that.

SECT. XLL.

Of the SMELL, TASTE, and HEARING.

HO were able to explain the Niceness of the Organs by which Man discerns the numberless Savours and Odours of Bodies? But how is it possible for so many different Voices to strike at once my Ear, without confounding one another, and for those Sounds to leave in me, after they have ceased to be, so lively, and so distinct Images of what they have been? How careful was the Arrificer who made our Bodies to give our Eyes a moift, smooth, and fliding Cover to close them; and why did he leave our Ears open? Lib. 2. de Because, says Cicero, the Eyes must be shut against the Light in order to Sleep; and, in the mean Time, the Ears ought to remain open in order to give us Warning, and wake us by the Report of Noise, when we are in Danger of being surpriz'd. Who is it that, in an Instant, imprints in my Eye the Heaven, the Sea, and the Earth, seated at almost

Nas. Deor

an infinite Distance? How can the faithful Images of all the Objects of the Universe, from the Sun to an Atom, range themselves distinctly in so small an Organ? Is not the Substance of the Brain, which preserves, in Order, such lively Representations of all the Objects that have made an Impression upon us ever fince we were in the World, a most wonderful Prodigy? admire with Reason the Invention of Books, wherein the History of fo many Events, and the Collection of fo many Thoughts, are preserv'd. But what Comparison can be made between the best Book, and the Brain of a Learned Man? There's no Doubt but fuch a Brain is a Collection infinitely more precious, and of a far more excellent Contrivance, than a Book. 'Tis in that fmall Repository that a Man never misses finding the Images he has occasion for. He calls them: they come; He dismisses and they fink I know not where, and disappear, to make Room for others. A Man shuts, or opens his Fancy at Pleasure, like a Book. He turns, H 4

as it were, its Leaves; and, in an Instant, goes from one End to the other. There is even in Memory a Sort of Table, like the Index of a Book, which shews where certain remote Images are to be found. We do not find that these innumerable Characters, which the Mind of Man reads inwardly with fo much Rapidity, leave any distinct Trace or Print in the Brain, when we open it. That admirable Book is but a Soft Substance, or a Sort of Bottom made up of tender Threads, woven one with another. Now what skilful Hand has laid up in that Kind of Dirt, which appears so shapeless, fuch precious Images, rang'd with fuch excellent and curious Art?

SECT. XLII.

Of the Proportion of Man's Body.

SUCH is the Body of Man in general: For I do not enter into an Anatomical Detail; my Design being only to discover the Art that's conspicuous in Nature, by the simple Cast

of an Eye, without any Science. The Body of Man might undoubtedly be either much bigger and taller, or much lesser and smaller. But if, for Instance, it were but one Foot high, it would be insulted by most Animals, that would tread and crush it under their Feet. If it were as tall as a high Steeple, a small Number of Men would in few Days, confume all the Aliments a whole Country affords. They could find neither Horses, nor any other Beasts of Burden either to carry them on their Backs, or draw them in a Machine with Wheels; Nor could they find sufficient Quantity of Materials to build Houses proportion'd to their Bigness; And as there could be but a small Number of Men upon Earth, so they should want most Conveniencies. Now, who is it that has fo well regulated the Size of Man to so just a Standard? Who is it that has fix'd that of other Animals and living Creatures, with Proportion to that of Man? Of all Animals, Man only stands upright on his Feet; which gives him a Nobleness and Majesty that distineadling

guishes him, even as to the Outfide, from all that lives upon Earth. Not only his Figure is the Noblest, but he is also the strongest and most dextrous of all Animals, in Proportion to his Bigness. Let one nicely examine the Bulk and Weight of the most terrible Beasts, and he'll find, that tho' they have more Matter than the Body of a Man, yet a Vigorous Man has more Strength of Body than most wild Beasts. Nor are these dreadful to him, except in their Teeth and Claws. But Man, who has not fuch natural Arms in his Limbs, has yet Hands, whose Dexterity to make artificial Weapons, furpasses all that Nature has bestow'd upon Beasts. Thus Man either pierces with his Darts, or draws into his Snares, mafters, and leads in Chains. the strongest and siercest Animals. Nay, he has the Skill to tame them in their Captivity, and to sport with them as he pleases. He teaches Lions and Tigers to carefs him; and gets on the Back of Elephants.

SECT. XLIII.

Of the SOUL, which alone, among all Creatures, thinks and knows.

UT the Body of Man, which appears to be the Master-Piece If Nature, is not to be compared to is Thought. 'Tis certain there are Bodies that do not think: Man, for instance, ascribes no Knowledge to itone, Wood, or Metals, which unloubtedly are Bodies. Nay, it is o natural to believe that Matter annot think, that all unprejudic'd Men cannot forbear Laughing, when hey hear any one affert, that Beasts are but mere Machines; beause they cannot conceive that mere Machines can have fuch Knowledge s they pretend to perceive in Beafts. They think it to be like Children's laying, and talking to their Pupets, the Ascribing any Knowledge o mere Machines. Hence it is, that he Ancients themselves, who knew 10 real Substance but the Body, preended however, that the Soul of Man was a Fifth Element, or a fort of Quintessence without Name, un-

Kuowu

The Existence

> nullo inesse putat; quintum Genus adhibet vacans Nomine.

SECT. XLIV.

MATTER cannot think.

please, for I will not enter the Lists with any Sect of Philosophers: Here's an Alternative which no Philosopher can avoid. Either Matter can become a Thinking Substance, without adding any thing to it; or Matter cannot think at all, and so what thinks in us is a Substance Distinct from Matter, and which is united to it. If Matter can acquire the Faculty of Thinking, without adding any thing to it, it must, at least,

be own'd, that all Matter does not think, and that even some Matter that now thinks, did not think Fifty Years ago; As for Instance, the Matter of which the Body of a young Man is made up, did not think ten years before he was born. It must then be concluded, that Matter can acquire the Faculty of Thinking by a Certain Configuration, Ranging, and Motion of its Parts. Let us, for instance, suppose the Matter of a Stone, or of a Heap of Sand. 'Tis agreed, this Part of Matter has no manner of Thought; and therefore to make it begin to think, all its Parts must be configurated, ranged, and moved a certain Way, and to a certain Degree, Now, who is it that knew how to find, with so much Niceness, that Proportion, Order, and Motion that Way, and to fuch a, Degree, above and below which Matter would never think? Who is it that has given all those just, exact, and precise Modifications to a Vile and Shapeless Matter, in order to form the Body of a Child, and to render it rational by Degrees? If on the contrary. it be affirm'd, that Matter canno become a thinking Substance, with out adding something to it, and tha another Being must be united to it I ask, what will that other Think ing Being be, whilst the Matter, to which it is united, only moves Therefore, here are two Natures o Substances very unlike and distinct We know one by Figures, and lo cal Motions only; As we do the ther by Perceptions and Reasoning The one does not imply, or create th Idea of the other: For their respe Ctive Ideas have nothing in Con mon.

SECT. XLV.

Of the Union of the Soul and Body, a which God alone can be the Author.

DUT now, how comes it to part that Beings so unlike, are so intimately united together in Man Whence comes it that certain Motions of the Body so suddenly, and so infallibly raise certain Thought in the Soul? Whence comes it that the Thoughts of the Soul, so suddenly and so infallibly, occasion certain Motion

Motions in the Body? Whence proeds fo regular a Society, for Seenty or Fourscore Years, without ly Interruption? How comes it to is that this Union of Two Beings, id Two Operations, so very diffent, make up so exact a Compound. at many are tempted to believe to be a simple and indivisible hole? What Hand had the Skill to lite and tie together these two xtreams and Oppolites? 'Tis cerin they did not unite themselves mutual Consent: For Matter hang of itself neither Thought nor ill, to make Terms and Conditiis it could not enter into an Aeement with the Mind. On the her Hand, the Mind does not reember that it ever made an Aeement with Matter; Nor could be subjected to such an Agreeent, if it had quite forgot it. If it Mind had freely, and of its own cord refolv'd to submit to the Imessions of Matter, it would not, wever, subject it self to them but hen it should remember such a Relution, which, besides, it might ter at Pleasure. Nevertheless it

The Existence

is certain, That in spite of its is dependent on the Body, an it cannot free itself from its I dance, unless it destroy the C of the Body by a Violent I Besides, altho' the Mind had tarily subjected itself to Mat would not follow, that Matter reciprocally subjected to the The Mind would, indeed, hav tain Thoughts, when the should have certain Motions: the Body would not be determi have, in its Turn, certain Mo as foon as the Mind should have tain Thoughts. Now it is mo tain that this Dependance is procal. Nothing is more ab than the Command of the M ver the Body. The Mind And, instantly, all the Me of the Body are in Motion, they were acted by the most erful Machines. On the other nothing is more manifest that Power and Influence of the Bo ver the Mind: "The Body is in tion: And, instantly, the M forc'd to think either with Ple or Pain, upon certain Objects.

what Hand equally powerful over these two Divers and Distinct Natures, has been able to bring them both under the same Yoke, and hold them captive in so exact and inviolable a Society? Will any Man say, twas Chance? If he does, will he be able either to understand what he means, or to make it understood by others? Has Chance by a Concourse of Atoms, hook'd together the Parts of the Body with the Mind? If the Mind can be hook'd with some Parts of the Body, it must have Parts itself, and consequently be a perfect Body: In which Case, we relapse into the First Anfwer, which I have already confuted. If on the contrary, the Mind has no Parts, nothing can hook it with those of the Body; nor has Chance wherewithall to tie them together.

In short, my Alternative ever returns, and is peremptory and decisive. If the Mind and Body are a
Whole made up of Matter only,
how comes it to pass that this Matter, which Yesterday did not, has
this Day begun to think? Who is
it that has bestow'd upon it what

it had not, and which is, with-out Comparison, more noble than Thoughtless Matter? What bestows Thought upon it, has it not itself, and how can it give what it has not? Let us even suppose, that Thought should result from a certain Configuration, Ranging and Degree of Motion, a certain Way, of all the Parts of Matter: What Artificer has had the Skill to find out all those just, nice, and exact Combinations. in order to make a Thinking Machine? If on the Contrary the Mind and Body are Two distinct Natures: What Power Superior to those Two Natures has been able to unite and tie together, without the Mind's Affent, or so much as its knowing which Way that Union was made? Who is it, that, with fuch absolute and Supreme Command, over-rules both Minds and Bodies, and keeps them in Society and Correspondence, and under a fort of Incomprehenfible Policy?

SECT. XLVI.

The Soul has an Absolute Command over the Body.

DE pleas'd to observe, That the D Command of my Mind over my Body is supreme and absolute in its bounded Extent, since my fingle Will, without any Effort, or Preparation, causes all the Members of my Body, to move on a fudden and immediately, according to the Rules of Mechanicks. As the Scripture gives us the Character of God, who faid after the Creation of the Universe, Let there be Light, and there was Light: In like manner, the inward Word of my Soul alone, without any Effort, or Preparation, makes what it says. I say, for Instance, within my felf, through that inward, fimple, and momentaneous Word, Let my Bady move, and it moves, At the Command of that simple and intimate Will, all the Parts my Body are at Work. Immediately all Nerves are distended; all the Springs hasten to concur together; and the whola. I 2

whole Machine obeys, just as i every one of the most secret of those Organs, heard a supreme, and Omnipotent Voice. This is certainly the most simple and most effectual Power that can be conceived. All the other Beings within our Knowledge, afford not the like Instance of it; and this is precisely what Men that are sensible and persuaded of a Deity, ascribe to it, in all the Universe.

Shall I ascribe it to my feeble Mind, or rather to the Power it has over my Body, which is so vastly different from it? Shall I believe that my Will has that supreme Command of it own Natue; tho' in itself so weak and impersect? But how comes it to pass that among so many Bodies, it has that Power over no more than one? For no other Body moves according to its Desires Now, who is it that gave over one Body, the Power it had over no other? Will any Man be again so bold as to ascribe this to Changei

SECT. XLVII.

The Power of the Soul over the Body, is not only Supreme or Absolute, but Blind, at the same Time.

DUT that Power which is fo fu-D preme and absolute, is blind, at the same Time. The most simple and ignorant Peasant knows how to move his Body, as well as a Philosopher the most skill'd in Anatomy. The Mind of a Peasant commands his Nerves, Muscles and Tendants, which he knows not, and which he never heard of; He finds them, without knowing how to distinguish them, or knowing where they lie; he calls precifely upon such as he has occasion for; nor does he mistake one for 'tother. If a Rope Dancer, for Instance, does but will, the Spirit sinstantly run with Impetuousness, sometimes to certain Nerves, fometimes to others; all which diftend, or slacken in sidue Time. Ask him which of them he fet agoing, and which way he begun to move them? He will not so much

as understand what you mean. He is an absolute Stranger to what he has done in all the inward Springs of his Machine. The Lute-Player, who is perfectly well accquainted with all the Strings of his Inftrument, who fees them with his Eyes, and touches them one after another with his Fingers, yet mistakes them sometimes. But the Soul that goyerns the Machine of Man's Body, moves all its Springs in Time, without feeing or discerning them; without being acquainted with their Figure, Situation, or Strength, and yet it never mistakes. What Prodigy is here! My Mind commands what it knows not, and cannot fee; what neither has, nor is capable of any Knowledge: And yet it is infalibly obey'd. How much Blindness, and how much Power at once is here! The Blindness is Man's; But the Power whose is it? To whom shall we afcribe it unless it be to him, who fees what Man does not fee, and performs in him what passes his Understanding? 'Tis to no purpose my Mind is willing to move the Bodies that furround it, and which

it knows very distinctly; For none of them stirs; and it has not Power to move the least Atom by its Will. There is but one fingle Body, which some superior Power, must have made its Property. With respect to this Body, my Mind is but Willing, and all the Springs of that Machine, which are unknown to it, move in Time; and in concert, to obey him. St. Austin who made these Rese-Rions has exercis'd them excellentwell. The inward Parts of our #Bodies, fays he, cannot fee living Libut by our Souls: But our Souls s animate them far more easily than whey can know them we The 4 Soul knows not the Body which is subject to it --- It does not 4 know, why it does not move the 4 Nerves, but when it pleases; and why, on the contrary, the Pulsa-' tion of Veins goes on without In-' terruption, whether the Mind will It knows not which is or no. ' the first Part of the Body it moves ' immediatly, in order thereby to " move all the rest ---- It does not know why it feels in spite of it felf, and moves the Members only ' when I 4

'when it pleases. 'Tis the Mind does these Things in the Body: But how comes it to pass, it neither knows what she does, nor in what manner it performs it? 'Those who learn Anatomy, con-' timues that Father, are taught by ' others what passes within, and is ' perform'd by themselves. Why, feys be, do I know, without being taught that there is in the Sky, ' at a prodigious Distance from me, 'a Sun and Stars: and why have I occasion for a Master to learn where Motion begins? — When I move my Finger, I know not how what I perform within my felf, is perform'd. We are too far above, and cannot comprehend our felves.

SECT. XLVIII.

The Sovereignty of the Soul over the Body principally appears in the Images imprinted in the the Brain.

IS certain, we cannot sufficiently admire either the absolute Power of the Soul over corporeal

real Organs which she knows not. or the continual Use it makes of them without discerning them. That Sovereignty principally appears with respect to the Images imprinted in our Brain. I know all the Bodies of the Universe that have made any Impression on my Senses for a great many Years past. I have distinct Images of them, that represent them to me, infomuch that I believe I see them, even when they exist no more. My Brain is like a Closet full of Pictures, which should move and fet themselves in order at the Master's Pleasure. Painters with all their Art and Skill, never attain but an imperfect Likeness: Whereas the Pictures I have in my Head are so faithful, that 'tis by consulting them, I perceive all the Defects of those made by Painters, and correct them within my felf. Now, do these Images, more like their Original than the Master-Pieces of the Art of Painting, imprint themfelves, in my Head without any Art? Is my Brain a Book, all the Charaeters of which have ranged themselves, of their own accord? If there

be any Art in the Case, it does not proceed from me: For I find within me that Collection of Images, without having ever fo much as thought either to imprint them, or fet them in order. Moreover, all these Images either appear, or retire as I please, without any Confusion: I call them back: And they return. I dismiss them: and they fink I know not where. They either assemble, or separate, as I please: But I neither know where they lie, nor what they are. Neverthelest I find them always ready. The Agitation of fo many Images, Old and New, that revive, join, or feparate, never disturbs a certain Order that's amongst them. If some of them do not appear at the first Summons: At least I'm certain they are not far off. They may lurk in some deep Corner: But I am not totally ignorant of them, as I am of Things I never knew; for, on the contrary, I know confusedly what I look for If any other Image offers itself in the Room of that I call'd for, I immediately dismiss it, telling it: 'Tis not you I have occasion for. But then

then where lie Objects half-forgotten? They are present within me, fince I look for them there, and find them at last. Again, in what manner are they there, fince I look for them a long while in Vain? What becomes of them? 'I am no more, fays St. Austin, what I was, when I had the Thoughts I can-' not find again. I know not continues that Father, either how it comes to pass, that I am thus ' withdrawn from and deprived of 'my felf; or how I am afterwards brought back, and restor'd to my ' self. I am, as it were, another Man, and carried to another Place, when I look for, and do not find, what I had trusted to my Memory. In such a Case, we cannot reach, and are, in a manner, 'Strangers remote from our felves. Nor do we come at us, but when we find what we are in quest of. But where is it we look for, but within us? Or what is it we look for, but Our felves? --- So unfathomable a Difficulty aftonishes 'us! I distinctly remember I have known, what I do not know at presear.

fent. I remember my very Oblivion. I call to Mind the Pictures or Images of every Person, in every Period of Life wherein I have seen them for merly: So that the same Person passes several Times in my Head. first, I see one a Child, then a Young, and afterwards an Old Man. I place Wrinkles in the fame Face, in which, on the other side, I see the tender Graces of Infancy. I join what fubfifts no more with what is still, without confounding .these Extremes. I preserve I know not what, which, by Turns, is all that I have seen since I came into the World. Out of this unknown Store come all the Perfumes, Harmonies, Tastes, Degrees, and Mixtures of Colours; in Thort; all the Figures that have pass'd thro2 my Senses, and which they have trusted to my Brain. I revive when I please, the Joy I selt Thirty Years ago. It returns: But fometimes it is not the same it was formerly, and appears without rejoicing me. I remember I have been well pleased: And yet am not so while I have that Remembrance. On the other hand, I renew past Sorrows and Troubles.

They are present: For I distinctly perceive them fuch as they were formerly, and not the least Part of their Bitterness, and lively Sense, escapes my Memory: But yet they are no more the same; they are dull'd, and neither trouble nor disquiet me. perceive all their Severity without feeling it: Or if I feel it, 'tis only by Representation, which turns a former Smart and racking Pain, into a Kind of Sport and Diversion; for the 1mage of past Sorrows rejoices me. It is the same with Pleasures: A vertuous Mind is afflicted by the Memory of its Diforderly Unlawful Enjoyments. They are present: For they appear with all their softest and most flattering Attendants; but they are no more themselves, and such Joys return only to make us uneafy.

SECT. XLXI.

Two Wonders of the Memory and Brain.

ERE therefore are two Wonders equally incomprehensible: The first, that my Brain is a Kind

of Book, that contains a Number almost infinite of Images, and Characters ranged in an Order I did not contrive, and of which Chance could not be the Author. For I never had the least Thought either of Writing any Thing in my Brain, or to place in any Order the Images and Characters I imprinted in it. I had no other Thought but only to see the Objects that struck my Senses. Neither could Chance make fo marvellous a Book: Even all the Art of Man is too imperfect ever to reach to high a Perfection, Therefore what Hand had the Skill to compose it?

The fecond Wonder I find in my Brain, is to fee that my Mind reads with fo much Ease, whatever it pleases, in that inward Book; and reads even Characters it does not know. I never saw the Traces or Figures imprinted in my Brain, and even the Substance of my Brain it sets, which is like the Paper of that Book, is altogether unknown to me. All those numberless Characters transpose themselves, and afterwards resume their Rank and Place to obey

my Command. I have, as it were, a divine Power over a Work I am unacquainted with, and which is uncapable of Knowledge, That which understands nothing, understands my Thought and performs it instantly. The Thought of Man has no Power over Bodies: I am sensible of it by running over all Nature. There is but one fingle Body which my bare Will moves, as if it were a DEITY; and even moves the most subtle and nicest Springs of it. without knowing them. Now, who is it that united my Will to this Body, and gave it fo much Power over it?

SECT. L.

The MIND of Man is min'd with GREAT-NESS and WEAKNESS. Its GREATNESS consists in Two Things.

First, The Mind has the IDEA of the INEI-

ET us conclude these Observations by a short Resection on the Essence of our Mind; in which I find an incomprehensible Mixture of Greatness and Weakness. Its Greatness

ness is real: For it brings together the past and the present, without Confusion; and by its Reasoning penetrates into Futurity. It has the Idea both of Bodies, and Spirits. Nay it has the Idea of the Infinite: For it supposes and affirms all that belongs to it, and rejects and denies all that is not proper to it. If you fay that the Infinite is triangular; the Mind will answer without Hesitation, that what has no Bounds can have no Figure. If you defire it to assign the First of the Units that make up an Infinite Number; it will readily answer, That there can be no Beginning, End, or Number in the Infinite; because if one could find either a First or Last Unit in it, one might add some other Unit to that, and consequently encrease the Number. Now a Number cannot be infinite, when it is capable of some Addition, and when a Limit may be assign'd to it, on the Side where it may receive an Increase.

SECT. LI.

The MIND knows the FINITE only by the IDEA of the INFINITE.

IS even in the Infinite that my Mind knows the Finite. When we say a Man is sick, we mean a Man that has no Health; and when we call a Man weak, we mean one that has no Strength. We know Sickness, which is a Privation of Health, no other Way but by reprefenting to us Health it felf as a real Good, of which fuch a Man is depriv'd; and, in like manner, we only know Weakness, by representing to us Strength as a real Advantage, which such a Man is not Master of. We know Darkness, which is nothing real, only by denying, and confequently by conceiving Day-Light, which is most real, and most positive. In like manner we know the Finite only by affiguing it a Bound, which is a meer Negation of a greater Extent; and confequently only the Privation of the Infinite. Now a Man could never represent to himself the Privation . . .

Privation of the Infinite, unless he conceiv'd the Infinite itself: Just as he could not have a Notion of Sickness, unless he had an Idea of Health, of which it is only a Privation. Now, whence comes that Idea of the Infinite in us?

SECT: LIL

Secondly, The IDEAS of the Mind me. Universal, Ethnial, and Ime MUTABLE

H! How great is the Mind of Man! He carries within him wherewithal to aftonish, and infinited ly to furpass himself: Since his Ideas are universal, eternal, and immutable. They are universal: For when I fay, it is impossible to be and not to be; the Whole is bigger than a Part of it; a Line perfectly circular has no Strait Parts; between Two Points given the Strait Line is the thereft: the Center of a Perfect Circle is ev qually distant from all the Points of the Circumsetence; an Equilateral Triangle has no Obtuse, or Right Angle: All these Truths admit of

no Exception. There never can be amy Being, Line, Circle, or Triangle, but according to these Rules. These Axioms are of all Times, or to speak more properly, they exist before all Time, and will ever remain after any comprehensible Duration. Let the Universe be turn'd topfy turvy, deferroy'd, and annihilated; and even let there be no Mind to reason about Beings, Lines, Circles, and Triangles: Yet it will ever be equally true in it felf, that the fame Thing cannot at once, be and not be; that a Perfect Circle can have no Part of a Strait Line; that the Center of a Persect Circle cannot be nearer one Side of the Circumference than the other. Men may, indeed, not think actually on these Truths: and it might even happen, that there should be neither Universe, nor any Mind capable to re-**Sect on these Truths:** But nevertheless they are fill constant and certain in themselves, altho' no Mind should be ecquainted with them; just as the Rays of the Sun would not cease being real, altho' all Men should be blind, and no Body have Eyes to be sensible of their Light. By af-K 2 firming

firming that Two and Two make * Lib. 2. Four, Tays St. Austin *, a Man is not delib. arb. only certain that he speaks Truth, but he cannot doubt that such a Proposition was ever equally true, and must be so eternally. These Ideas we carry within our felves have no Bounds, and cannot admit of any. It cannot be faid, that what I have affirmed about the Center of perfect Circles, is true only in relation to a certain Number of Circles: For that Proposition is true, thro' evident Necessity, with respect to all Circles ad Infinitum. These unbounded Ideas can never be chang'd, alter'd, impair'd, or defaced in us: For they make up the very Essence of our Reason. Whatever Effort a Man mav make in his own-Mind, yet it is impossible for him ever to entertain a ferious Doubt about the Truths which those Ideas clearly represent to For Instance, I never can seriously call in Question, whether the Whole is bigger than one of its Parts: or whether the Center of a Perfect Circle is equally distant from all the Points of the Circumference. The Idea of the Infinite is in me like that af

of Numbors, Lines, Circles, a Whole, and a Part. The changing our Ideas, would be, in Effect, the annihilating Reason it self. Let us judge and make an Estimate of our Greatness, by the immutable infinite Stamp within us, and which can never be desaced from our Minds. But lest such a real Greatness should dazzle, and betray us, by flattering our Vanity, lets hasten to cast our Eyes on our Weakness.

SECT. LIII.

WEAKNESS of MAN'S MIND.

fantly sees the Infinite; and, through the Rule of the Infinite, all Finite Things; is likewise infinitely ignorant of all the Objects that surround it. It is altogether ignorant of it self; and gropes about, in an Abys of Darkness. It neither knows what it is, nor how it is united with a Body; nor which Way it has so much Command over all the Springs of that Body, which it knows not. It is ignorant of its own Thoughts and Wills. It knows not.

with Certainty, either, what it believes, or wills. It bired fancies to believe and will, what it noither believes nor wills. It is hable to miflake, and its greatest Encellence is to acknowledge it. To the Error of its Thoughts, it adds the Diforder and Irregularity of its Will and Defires; fo that it is forc'd to groan, in the Confciousness and Experience of its Corruption. Such is the Mind of Man, weak, uncertain, stimed, full of Errors. Now, who is it that put the Idea of the Infinite, that is to fay of Perfection, in a Subject to stinted, and so full of Impersection? Did it give it felf so sublime, and so pure an Idea, which is it felf a Kind of Infinite in Imagery? What Finite Being distinct from it, was able to give it what bears no Proportion with what is Limited within any Bounds? Let us suppose the Mind of Man to be like a Looking-Glass, wherein the Images of all the Neighbouring Botlies imprint themselves: Now what Being was able to stamp within us The Image of the Infinite, if the Infinite never existed? Who can put in a Looking Glass the Image of a Chimerical

Chimerical Object, which is not in Being, and which was never placed against the Glass? This Image of the Infinite is not a confuled Collection of Finite Objects, which the Mind may mistake for a true Infinite. 'Tis the True Infinite of which we have the Thought and Idea. We know it fo well, that we exactly diffinguish it from whatever it is not; and that no Subtilty can palm upon us any other Object in its Room. We are so well acquainted with it, that we reject from it any Propriety that denotes the least Bound or Limit. In short, we know it so well, that 'tis in it alone we know all the rest, just as we know the Night by the Day; Sickness by Health. Now, once more, whence comes fo great an Image? Does it proceed from Nothing? :Can a Stinted Limited Being imagine and invent the Infinite, if there be no Infinite at all? Our weak and short-fighted Mind cannot of it self form that Image, which, at othis rate, should have no Author. None of the Outward Objects can K 4

give us that Image: For they can only give us the Image of what they are, and they are limited and imperfect. Therefore from whence shall we derive that distinct Image which is unlike any Thing within us, and all we know here below, without us? Whence does it proceed? Where is that Infinite we cannot comprehend, because it is really Infinite: And which nevertheless we cannot mistake, because we distinguish it from any Thing that's inferior to it? Sure it must be somewhere, otherwise how could it imprint it self in our Minds?

SECY. LIV.

The IDEAS of Man are the immutable Rules of his Judgment.

DUT besides the Idea of the Infinite, I have yet universal and immutable Notions, which are the Rule and Standard of all my Judgments; insomuch, that I cannot judge of any Thing but by consulting them; nor am I free to judge contrary to what they represent to

me. My Thoughts are so far from being able to correct, or form that Rule, that they are themselves corrected, in spite of my self, by that Superior Rule; and invincibly subjected to its Decision. Whatever Effort my Mind can make, I can never be brought, as I observ'd before, to entertain a Doubt, whether Two and Two make Four; whether the Whole is bigger than one of its Parts; or whether the Center of a perfect Circle be equally distant from all the Points of the Circumference. I am not free to deny cofe Propositions; and if I happen to deny those Truths, or others much like them, there is in me something above my self, which forces me to return to the Rule. That fix'd and immutable Rule, is fo inward and intimate, That I am tempted to take it for my felf: But it is above me, fince it corrects. and rectifies me; gives me a Distrust of my self, and makes me fensible of my Impotency. 'Tis fomething that inspires me every moment, provided I hearken to it, and I never err or mistake except when

The Existence

when I am not attentive to it. What inspices me would for over preferre me from Entor, if I were docile and acted without Precipitation: For that inward Inspiration would teach me to judge eright of Things within my keach, and about which I have occasion to form a Judgment. As for others, it would teach me, not to judge of them at all; which second Lesson is no less important than the first. That inward Rule is what I call Mr REASON: But I speak of My Rasfor without penetrating into the Extent of those Words, as I speak of ATTURE and INSTINCT, without knowing what those Expressions mean.

SECT. LV,

What MAN'S REASON is.

IS certain my Reason is within me; For I must continually recollect my self to find it. But the superior Reason that contests me upon occasion, and which I consult, is none of mine, nor in it Part of my self. That Rule is per-

fect and immutable; whereas I am changeable and imperfect. When I orn it preserves its Reclitude: When I am undeceived, it is not let right, for it never was otherwise; and still keeping to Truth has the Authority to call, and bring me back Tis an inward Master that to it. makes me either be filent, or speak; believe, or doubt; acknowledge my Errors, or confirm my Judgments. I am influenced by hearkening to it: whereas I err and go aftray, which I hearken to my felf. That Master is every where, and his Voice is heard, from one End of the Univerfe to the other, by all Men as well as me. Whilft he corrects and rectifies me in France, he corrects and fets right other Men in Chena. Japan, Mexico, and in Peru, by the same Principles.

SECT. LVI.

REASON is the Same in all Men, of all Ages and Countries.

heard of one another, and

who never entertain'd any Correspondence with any other Man that could give them common Notions. yet speak, at two Extremities of the Earth, about a certain Number of Truths, as if they were in Concert. 'Tis infallibly known before Hand in one Hemisphere, what will be answer'd in the other upon Truths. Men of all Countries and of all Ages, whatever their Education may have been, find themselves invincibly subjected and obliged to think, and speak in the same manner. The Master who incessantly teaches us, makes all of us think the same Way. Whenever we hastily judge, without hearkening to his Voice, in Diffidence of our felves, we think, and utter Dreams full of Extrava-Thus what appears most to be Part of our selves, and our very Essence, I mean our Reason, is least our own, and what on the contrary, ought to be accounted most borrow'd. We continually receive a Reafon superior to us, as we incessantly breath the Air, which is a foreign Body; or as we incessantly see all the Objects near us by the Light

of the Sun, whose Rays are Bodies foreign to our Eyes. That superior Reason over-rules and governs, to a certain Degree, with an absolute Power, all Men, even the least rational, and makes them all ever agree, in spite of themselves, upon those Points. 'Tis she that makes a Savage in Canada think about a great many Things, just as the Greek and Roman Philosophers did. 'Tis the that made the Chinese Geometricians find out much the same Truths with the Europeans, whilst those Nations so very remote, were unknown one to another. 'Tis fhe that makes People in Japan conclude as in France, that Two and Two make Four; nor is it apprehended, that any Nation shall ever change their Opinion about it. 'Tis she that makes Men think now-a-days about certain Points, just as Men thought about the same Four Thoufand Years ago. 'Tis she that gives uniform Thoughts to the most jealous and jarring Men, and the most irreconcileable among themselves. Tis: by Her that Men of all Ages and Countries, are, as it were, chain'd shout about an unmoveable Center, and held in the Bonds of Amity by certain invariable Rules, call'd First PRINCIPLES, notwithstanding the Infinite Variations of Opinions, that arise in them from their Passions. Avocations, and Caprices, which over-rule all their other less-clear ludgments. 'Tis through Her that Men, as depraved as they are, have not yet prefum'd openly to bestow on VICE the Name of VIRTUE, and the they are reduced to dissemble being just, fincere, moderate, benevolent. in order to gain one another's Efteem. The most wicked and a bandon'd of Men, cannot be brought to esteem what they wish shey could esteem, or to despise what they wish they could despite. 'Tis not possible to force the Eternal Barrier of Truth and Justice. inward Master, call'd Reason, intimately checks the Attempt with absolute Power, and knows how so fet Bounds to the most impudent Folly of Men. Tho' Vice has for many Ages reign'd with unbridled Licentiousness, Virtue is still call'd Virtue; and the most Brutish and ther.

rash of her Adversaries cannot yet deprive her of her Name. Hence it is that Vice, tho' triumphant in the World, is still obliged to disguise it self, under the Mask of Hypocrify, or sham Honesty, to sain the Esteem it has not the Confidence to expect, if it should go bare-faced. Thus notwithstattding its Impudence, it pays a forced Homage to Virtue, by endeavouring to adorn it felf with her fairest Outside, in order to receive the Honour and Respect she commands from Men. 'Tis true Virtuous Men are expos'd to Censure; and they are, indeed, ever reprehensible in this Life, through their natural Imperfections; But yet the most Vicieus cannot totally efface, in themselves the Idea of true Virtue. There never was yet any Man upon Earth. that could prevail either with others or himfelf, to allow, as a received Maxim, that to be knaville passienare, and mischievous, is more honourable than to be honest, moderass good-natured, and benevolent. $M\Gamma: \mathbb{R}^{n} \to \mathbb{R}^{n}$

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SECT. LVII.

REASON in Man is INDEPENDENT of and above him.

Have already evine'd that the inward and universal Master, at all Times, and in all Places, speaks the fame Truths. We are not that Master: Tho' 'tis true, we often fpeak, without, and higher than him: But then we mistake, stutter, and do not fo much as understand out felves. We are even afraid of be ing made fenfible of our Mistakes, and we thut up our Ears, lest we should be humbled by his Corrections. Certainly the Man who is apprehensive of being corrected and reproved by that uncorruptible Read fon, and ever goes aftray when he does not follow it, is not that perfect, universal, and immutable Reafon, that corrects him, in spite of himself. In all Things we find, as it were, two Principles within us. The one gives: The other receives; the one fails, or is defective: The other makes up; the one mistakes: The

The other rectifies; the one goes awry, through his Inclination, the other fets him right. 'Twas the mistaken, and ill-understood Experience of this, that led the Marcionites and Manicheans into Error. Every Man is conscious within himfelf of a limited and inferior Reafon, that goes aftray and errs, as foon as it gets loofe from an entire Subordination, and which mends its Error no other way, but by returning under the Yoke of another fuperior, universal, and immutable Reason. Thus every Thing within us argues an inferior, limited, communicated, and borrow'd Reafon, that wants every Moment to be rectified by another. All Men are rational by means of the fame Reason that communicates it self to them, according to various Degrees. There is a certain Number of Wise Men; But the Wisdom from which' they draw theirs, as from an inexhaustible Source, and which makes them what they are, is but ONE.

SECT. LVIII.

Tis the PRIMITIVE Truth, that lights all Minds, by communicating it self to them.

7 HERE is that Wisdom? Where is that Reason, at once both common and superior to all Limited and Imperfect Reasons of of Mankind? Where is that Oracle which is never filent, and against which all the vain Prejudices of Men cannot prevail? Where is that Reafon which we have ever Occasion to consult, and which prevents us to create in us the Desire of hearing its Voice? Where is that lively Light which lighteth every Man that cometh, into the World? Where is that pure and fost Light, which not only lights those Eyes that are open, but which, opens Eyes that are shut; cures for Eyes; gives Eyes to those that have none to see it; in short, which raises the Desire of being lighted by it, and gains even their Love, who were afraid to fee it? Every Eye fees it; nor would it see any Thing, unless it faw it; since 'tis by that Light, and

its pure Rays that the Eye fees every Thing. As the sensibler Sun in the Firmathent lights all Bodies; fo the Sun of Intelligence lights all Minds. The Substance of a Man's Eye is not the Light: On the contrary the Eye borrows, every Moment, the Light from the Rays of the Sun. Just in the fame mariner, my Mind is not the Primitive Resson, or Universal and Immufable Trush; but only the Organ throw which that Original Light passes, and which is lighted by There is a Sun of Spirits that lights them far better than the visible Sun lights Bodies. This Sun of Spifits gives us, at once, both its Light, and the Love of it, in order to feek it. That Sun of Truth leaves no manner of Darkness; and shines at the same Time in the Two Hemispheres. It lights us as much by Night, as by Day; nor does it spread its Rays outwardly; but inhabits in every one of us. A Man can never deprive another Man of its Beams. One fees it equally, in whatever Cornot of the Universe he may lurk. Man dever needs fay to another; Brep aside, to bit me fee that Sun: Tou L 2

rob me of its Rays; you take away my Share of it. That Sun never fets: Nor fuffers any Cloud, but fuch as are raised by our Passions., 'Tis a Day without Shadow. It lights the Savages even in the deepest and darkest Caves; none but Sore Eyes wink against its Light; nor is there indeed any Man fo distemper'd and fo blind, but who still walks by the Glimpse of some duskish Light he retains from that inward Sun of Consciences. That universal Light discovers and represents all Objects to our Minds; nor can we judge of at ny Thing but by it; just as we cannot discern any Body but by the Rays of the Sun.

SECT. LIX.

Tis by the LIGHT of PRIMITIVE TRUTA a Man judges whether what one says to him, be true or false.

EN may speak and discourse to us in order to instruct us But we cannot believe them any far ther, than we find a certain Confes mity or Agreement, between what they 8 . ٠.

they fay, and what the inward Maffer favs. After they have exhaufted all their Arguments, we must still return, and hearken to him, for a final Decision. If a Man should tell us. that a Part equals the Whole of which it is a Part, we should not be able to forbear laughing, and instead of perfwading us, he would make himself 'Tis in the very ridiculous to us. Bottom of our felves, by confulting the Inward Master, that we must find the Truths that are taught us, that is. which are outwardly proposed to Thus, properly speaking, there but one True Master, who teaches all, and without whom one learns nothing. Other Masters always refer and bring us back to that inward School where he alone speaks. 'Tis there we receive what we have not; 'tis there we learn what we were ignorant of; and find what we had lost by Oblivion. 'Tis in the intimate Bottom of our felves, he keeps in store for us certain Truths, that lie, as it were, bury'd, but which revive upon Occasion; and 'tis there, in short, that we reject the Falshood

we had embraced. Far from judging that Master, 'tis by him alone we are judg'd peremptorily in all Things. He is a Judge difinterested, impartial, and superior to us. We may, indeed, refuse hearing him, and raise a Din to to stun our Ears: But when we hear him 'tis not in our Power to contradict him. Nothing is more unlike Man than that invifeble Mafter that instructs and judges him with so much Severity, Uprightness, and Persection. Thus our limited, uncertain, defective, fallible Reason, is but a teeble and momentaneous Inspiration of a primitive, supreme, and immutable Reason, which communicates it self with Measure, to all Intelligent Beings.

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SECT. LX:

The Superior Reason that resides in Man is GOD HIMSELF; and whatever has been above discover'd to be in Man, are evident Footsteps of the DEITY.

T cannot be faid that Man gives himself the Thoughts he had not before; much less can it be said, that he receives them from other Men: Since 'tis certain, he neither does, nor can admit any Thing from without, unless he finds it in his own Bottom, by confulting within him the Principles of Reason, in order to examine whether what he is told, is agreeable or repugnant to them. Therefore there is an inward School, wherein Man receives what he neither can give himself, nor expect from other Men, who live upon Trust as well as himself. Here then are Two Reasons I find within me; one of which is my felf, the other is above That which is my felf is very imperfect, prejudiced, liable to Error, changeable, head-strong, ignorant, and limited; in short, it posfesses nothing but what is borrow'd.

The other is common to all Men, and fuperior to them: It is perfect, eternal, immutable, ever ready to communicate it self in all Places, and to rectify all Minds that err and mistake; in short, incapable of ever being either exhausted or divided, altho' it communicates it felf to all who defire it. Where is that perfect Reafon, which is so near me, and yet so different from me? Where is it? Sure it must be something real; for Nothing or Nought cannot either be perfect, or make perfect imperfect Natures. Where is that supreme Reafon? Is it not the very God I look for?

SECT. LXI.

New sensible Notices of the Deity in Man, drawn from the Knowledge he has of Unity.

Still find other Traces, or Notices of the Deity within me: Here's a very fensible one. I am acquainted with prodigious Numbers, with the Relations that are between them. Now, how come I by that L 4 Knowledge?

Knowledge? It is so very distinct. that I cannot feriously doubt of it; and fo, immediately, without the least Hesitation, I rectify any Man that does not follow it in Computation. If a Man fays 17 and 3 22, I presently tell him 17 and 3 make but 20; and he is immediately convinc'd by his own Light, and acquiesces in my Correction. fame Master, who speaks within me to correct him, speaks at the same Time within him, to bid him acquiesce. These are not Two Mafters that have agreed to make us agree: 'Tis fomething indivisible, eternal, immutable, that speaks at the same Time, with an invincible Perswasion in us both. Once more. how come I by fo just a Notion of Numbers? All Numbers are but repeated Units. Every Number is but a Compound, or a Repetition of Units. The Number of Two for Instance, is but Two Units; the Number of Four is reducible to One re- S. Ang. 1. peated Four Times. Therefore we Arb. cannot conceive any Number without conceiving UNITY, which is the -effential Foundation of any possible Number:

Number; Nor can we conceive any Repetition of Units, without conceiving Unity it felf, which is its Basis.

But which way can I know any real Unit? I never saw, nor so much as imagin'd any by the Report of my Senses. Let me take, for instance, the most subtle Atom: It must have a Figure, Length, Breadth, and Depth; a Top and a Bottom; a Left and a Right Side; And again, the Top is not the Bottom, nor one Side, the Other. Therefore this Atom is not truly One; for it consists of Parts. Now a Compound is a real Number, and Multitude of Beings. 'Tis not a real Unit; but a Collection of Beings, one of which is not the other. I therefore never learnt by my Eyes, my Ears, my Hands, nor even by my Imagination, that there is in Nature any real Unity; on the Cofftrary, neither my Senses, nor my Imagination, ever presented to me any Thing but what is a Compound, a real Number or a Multitude. All Unity continually escapes me; it fligs me, as it were by a Kind of Inchantment. .

Inchantment. Since I look for it in so many Divisions of an Atom, I certainly have a distinct Idea of it; and 'tis only by its simple and clear Idea, that I arrive, by the Repetition of it, at the Knowledge of so many other Numbers. But since it escapes me in all the Divissions of the Bodies of Nature, it clearly follows that I never came by the Knowledge of it, through the Canal of my Senses and Imagination. Here therefore is an Idea which is in me independently from the Senses, Imagination, and Impressions of Bodies.

Moreover, altho' I would not frankly acknowledge that I have a clear Idea of Unity, which is the Foundation of all Numbers, because they are but Repetitions, or Collections of Units: I must, at least, be forc'd to own, that I know a great many Numbers with their Proprieties, and Relations. I know, for Instance, how much make 900000000 join'd with 800000000 of another Sum. I make no Mistake in it; and I should, with Certainty, immediatly rectify any.

Man that should. Nevertheless! neither my Senses, nor my Imagination were ever able to reme distinctly present to those Millions put together. Nor would the Image they should reprefent to me, be more like Seventeen Hundred Millions, than a far inferior Number. Therefore, how came I by fo diffinct an Idea of Numbers, which I never could either feel, or imagine? These Ideas independent upon Bodies, can neither be corporeal, nor admitted in a Corporeal Subject. They discover to me the Nature of my Soul, which admits what's incorporeal and receives it within it felf, in an incorporeal Manner. Now, how came I by fo incorporeal an Idea of Bodies themselves? I cannot by my own Nature carry it within me: Since what in me knows Bodies is incorporeal; and fince it knows them, without receiving that Knowledge through the Canal of Corporeal Organs, fuch as the Senses and Imagination. What thinks in me must be as it were, a Nothing of Corporeal Nature. How was I able to know Beings that - 11

that have by Nature no relation with my Thinking Being? Certainly, a Being superior to those Two Natures so very different, and which comprehends them both in its Infinity, must have join'd them in my Soul; and given me an Idea of a Nature intirely different from that which thinks in me.

SECT. LXII

The IDEA of the Unity proves that there are IMMATERIAL SUBSTANCES; and that inthere is a Being Perfectly. One, who is God.

S for Units, some, perhaps, will fay, that I do not know them by the Bodies, but only by the Spirits; and therefore that my Mind being one, and truly known to me, tis by it, and not by the Bodies, I have the Idea of Unity. But to this Languer.

this I answer.

It will, at least, follow from thence, First, The char I know Substances that have there are no manner of Extension, or Divisi-al Subbility, and which are present. Here stances are already Beings purely incorporeal,

real, in the Number of which I ought to place my Soul. Now, who is it that has united it to my Body? This Soul of mine is not an infinite Being; it has not been always; and it thinks within certain Bounds: Now, again, who makes it know Bodies to different from it? Who gives it so great a Command over a certain Body; and who gives reciprocally to that Body so great a Command over the Soul? Moreover, which way do I know whether this Thinking Soul, is really one, or whether it has Parts? I do not see this Now, will any Body fay that 'tis in so invisible, and so impenetrable a Thing, that I clearly fee what Unity is? I am so far from learning by my Soul what the being One is, that, on the contrary, tis by the clear Idea! I have already of Unity, that I examine whether my Soul be one, or divisible.

Secondly, Add to this, that I have within the place me a clear Idea of a perfect Unity, which is far above that I may find one, viz. in my Soul. The latter is often alone. confcious that fhe is divided between Two contrary Opinions, Inclinations,

clinations, and Habits. Now, does not this Division which I find within my self shew and denote a kind of Multiplicity, and Composition of Parts? Besides, the Soul has, at least, a fuccessive Composition of Thoughts. one of which is most different and distinct from another. I conceive an Unity infinitely more One, if I may so speak. I conceive a Being who never changes his Thoughts, who always thinks all Things at once, and in which no Composition, even successive, can be found. doubtedly 'tis the Idea of the perfect and supreme Unity, that makes me so inquisitive after some Unity in Spirits, and even in Bodies. This Idea ever present within me, is innate or inborn with me; it is the perfect Model by which I feek every where some imperient Copy of the Unity. This Idea of what is one, simple, and indivisible by Excellence, can be no other than the Idea of Goo. I therefore know God with such Clearness and Evidence that 'tis by knowing him I feek in all Creatures, and in my felf, fome Image and Likeness of his Unity. Unity. The Bodies have, as it were, fome Mark or Print of that Unity, which still slies away in the Division of its Parts; and the Spirits have a greater Likeness, of it, althothey have a successive Composition of Thoughts.

SECT. LXIII.

Dependance and Independance of Man.

His Dependance proves the Existence of his Creator.

Which I carry within me, and which makes me incomprehensible to my self, wiz. That, on the one Hand, I am Free, and on the other, Dependent. Let us examine these Two Things, and see whether the possible to reconcile them.

I am a dependent Being. Independency is the supreme Persection. To be by one's self, is to carry within one's self, the Source of Spring of one's own Being; or which is the same, its to borrow nothing from any Being different from one's self. Suppose a Being

that

nat has all the Perfections you in imagine; but which has a brrow'd and Dependent Being; hid you'll find him to be less refect than another Being in which ou'd suppose but bare Independent. For there is no Comparison be made between a Being that afts by himself, and a Being who is nothing of his own, nothing it what is precarious and borrow'd, it who is in himself, as it were, ly upon Trust.

This Confideration brings me to knowledge the Imperfection of hat I call my Soul, If the exist-

by herfelf, it would borrow noing from another; she would not ent either to be instructed in her norances or to be rectify'd in P Brross " Nothing could reclaim r from her Vices, or inspire her th Virtue: for nothing would be le to render her Will better an it: Thould have been at first. nis o Soul zawould ever polless ratever she should be capable to joy; nor could the ever receive y Addition from Without. On e other hand, it is no less cercaist M

tain, that she could not lose any thing: For what is or exists by its felf, is always necessarily whatever it is. Therefore my Soul could not fall into Ignorance, Error, or Vice; or fuffer any Diminution of Good Will: Nor could she, on the other hand, instruct, or correct her felf, or become better than she is. Now, I experience the contrary of all these. For I forget, mistake, err, go aftray; lofe the Sight of Truth, and the Love of Virtue; I corrupt, I diminish. On the other hand, I improve and increase by acquiring Wildom, and Good Will, which I never had. This intimate Experience convinces me, that my Soul is not a Being existing by it felf, and cindependent; that is necessary, and immurable in all it possesses and copys. Now, whence proceeds this Augmentation and Improvement of my felf? Who is it that can enlarge and perfect my Being, by making me better, than I Garage S the agoing a most noiseast. the hand, it is no let der- N_{i}

SECT. LXIV.

GOOD WILL cannot proceed but from Superior Bring.

HE Will, or Faculty of willing, is undoubtedly a Degree of Being, and of Good, or Perfection: But Good Will, Benevolence, or Defire of Good, is another Degree of Superior Good. For one may misuse Will, in order to with ill, cheat; hurt, or do Injustice: Whereas Good Will is the Good or Right Use of Will it self, which cannot but be good: Good Will is therefore what is most precious in Man. 'Tis that which fets a Value upon all the rest. as it were, The whole Man: Hoc enim Eccle omnis Homo: +.

I have already shewn, that my Will is not by it felf, fince it is liable to lose, and receive Degrees of Good, or Perfection; and likewise that it is a Good inferior to Good Will, because it is better to will Good, than barely to have a Will, susceptible both of Good and Evil. How could I be brought to believe, that I, a Weak, Impersect, M 2

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Borrow'd, precarious and Dependent Being, bestow on my self the Highest Degree of Perfection, while it is visible, and evident, that I derive the far Interior Degree of Perfection from a First Being? Can I imagine that God gives me the Lesser Good, and that I give my felf the Greater without Him? How should I come by that high Degree of Perfection, in order to give it my felf? Should I have it from Nothing, which is all my own Stock? Shall I say, that other Spirits, much like, or equal to mine, give it me? But fince those limited and dependent Beings like my felf, cannot give themselves any thing, no more than I can, much less can they bestow any thing upon another. For as they do not exist by themselves, so they have not by themselves any True Power, either over me, or over Things that are imperfect in me; or over themselves. Wherefore, without stopping with them, we must go up higher, in order to find out a First, Teeming, and most Powerful Cause, that is able to bestow on may, Soul the Good Will the has not.

Sust in a meak, t

SECT. LXV.

As a SUPERIOR BEING is the Cause of all the Modifications of Cheatures, so 'tis impossible for Man's Will, to will Good, by it self, or of its own accord.

ET us still add another Reflection. That First Being is the Cause of all the Modifications of His Creatures. The Operation follows the Being, as the Philosophers are us'd to speak. A Being that is dependent in the Essence of His Being, cannot but be dependent in all his Operations: For the Accessory follows the Principal. Therefore, the Author of the Essence of the Being, is also the Author of all the Modifications, Modes of Being of Creatures. Thus God is the Real and Immediate Cause of all the Configurations. Combinations, and Motions, of all the Bodies of the Universe. Means, or upon Occasion, of a Body He has fet in Motion, that He moves another. 'Tis He Who created every thing, and Who does everything in His Creatures, or Works. Now Volin tion, is the Modification of the Will

or willing Faculty of the Soul, just as Motion is the Modification of Bodies. Shall we affirm that God is the real, immediate and total Cause of the Motion of all Bodies, and that he is not equally the real and immediate Cause of the Good-Will of Men's Wills? Will this Modification, the most excellent of all, be the only one not made by God in his own Work, and which the Work bestows on it self independently? Who can entertain such a Thought? Therefore my Good-Will which I had not Yesterday, and which I have to Day, is not a Thing I bestow upon my felf; but must come from Him who gave me both the Will and the Being.

As to will is a greater Perfection than barely to be: So to will Good, is more perfect than to will. The feep from Power, to a Virtuous Act, is the greatest Perfection in Maz. Power is only a Ballance, or Poise between Virtue and Vice, or a Suspension between Good and Evil, The Passage, or Step to the Act, is a Decision or Determination for the Good, and consequent by the Superior Good.

Good. The Power susceptible of Good and Evil comes from Good Which we have fully evinc'd. Now. mall we affirm, That the decisive Stroke, that determines to the great ter Good, either is not at all, or is less owing to Him? All this evidently proves what the Apostle says, viz. That God works both to will Philip. 2. and to do, of his good Pleafure. Here's Man's Dependence: Let us look for his Liberty.

SECT. LXVI. Of Man's Liberty.

Am free, nor can I doubt of it. I am intimately and invincibly convinc'd, that I can either will, or not will? And that there is in me a Choice not only between Willing and not Willing: But who between divers Wills, about the Variety of Objects that present them-selves. I am sensible, as the Scripture fays, That I am in the Hand Eccl. 15. of my Council: Which alone fuffices 14. to fliel me, that my Soull as not Corporeal: M 4

The Existence

Corporeal. All that is Body or Corporeal, does not in the least determine it felf, and is, on the contrary, determin'd in all Things by Laws call'd Physical, which are necessary, invincible, and contrary to what I call Liberty. From thence I inferr, that my Soul is of a Nature entirely different from that of my Body. Now, who is it that was able to join by a reciprocal Union Two fuch different Natures, and hold them in so just a Concert for their respective Operations? Tie, as we observ'd before, cannot be form'd but by a superior Being, who comprehends and unites those Two forts of Perfections, in his own infinite Perfection.

SECT. XLVII.

MAN'S LIBERTY confists in that his WILL by determining, modifies it self.

T is not the same with the Modification of my Soul, which is call'd Will, and by some Philosophers Volition, as with the Modifications of Bodies. A Body does not in the least

least modify it self; but is modified by the sole Power of Gop. It does not move it felf, it is moved. does not act in any Thing: It is only acted, and actuated. God is the only real and immediate Cause of all the different Modifications of Bodies. As for Spirits, the Case is different; for my Will determines it felf. Now, to determine one's felf to a Will, is to modify one's felf, and therefore my Will modifies it felf. God may prevent my Soul; But he does not give it the Will, in the same manner as he gives Motion to Bodies. If 'tis God who modifies me, I modify my felf with him; and am with him a real Cause of my own Will. My Will is fo much my own, that I am only to blame, if I do not Will what I ought. When I will a Thing, 'tis in my Power not to will it: And when I do not will it, 'tis likewise in my Power to will it. I neither am, nor can be compell'd in my Will; For I cannot will what I actually will, in spite of my self; since the Will I mean evidently excludes all manner of Constraint. Besides the

the Exemption from all Compulsion. I am likewise free from Necesfity. I am conscious and sensible that I have, as it were, a two-edged Will, which, at its own Choice, may be either for the Affirmative or the Negative, the Tes or the No, and turn it self either towards an Obica, or towards another. I know no other Reason or Determination of my Will, but my Will it felf. I will a Thing because I am free to will it; and nothing is so much in my Power, as either to will of not to will it. Altho' my Will should not be constrain'd, yet if it were necessitated it would be as ftrongly and invincibly determin'd to will, as Bodies are to move. An invincible Necessity would have as much Influence over the Will with Respect to Spirits, as it has over Motion, with respect to Bodies: And, in such a Case, the Will would be no more accountable for willing. than a Body for moving. Tis true she Will would will what it would: But the Motion by which a Body is mov'd, is the same, as the Volition by which the willing Faculty wills: · 11 . . Ιf

If therefore Volition be necessitated as Motion, it deserves neither more nor less Praise or Blame. For tho' a necessitated Will may seem to be a Will unconstrain'd, yet it is fuch a Will as one cannot forbear having, and for which he that has it, is not accountable. Nor does previous Knowledge establish true Liberty: For a Will may be preceded by the Knowledge of divers Objects, and yet have no real Election or Choice. Nor is Deliberation, or the being in Suspence, any more than a vain Trifle, if I deliberate between Two Counsels when I am under an actual Impotency to follow the one, and under an actual Necessity to pursue the other. In short, there's no ferious and true Choice between Two Objects, unless they be both actually ready within my Reach, fo that I may either leave or take, which of the Two I pleafe.

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SECT.

SECT. LXVIII.

WILL may resist GRACE, and its LIBERTY is the Foundation of Me-RIT and DEMERIT.

7HEN therefore I say I am Free, I mean that my Will is fully in my Power, and that even God Himself leaves me at Liberty to turn it which way I please; that I am not determin'd as other Beings; and that I determine my felf. I conceive that if that First Being prevents me to inspire me with a Good Will, it is still in my Power to rejett his actual Inspiration, how ftrong soever it may be; to fru-ftrate its Effect; and to refuse my Assent to it. I conceive likewise that when I reject his Inspiration for the Good, I have the true and actual Power not to reject it: Just as I have the actual and immediate Power to rife when I remain fitting, and to shut my Eyes, when I have them open. Objects may indeed, solicite me, by all their Allurements and Agreeableness, to will, or desire them.

Cone. Trid. Seff. 6 them. The Reasons for willing may present themselves to me with all their most lively and affecting Attendants; and the Supreme Being may also attract me by His most perswasive Inspirations. But yet, for all this actual Attraction of Objects, Cogency of Reasons, and even Inspiration of a Superior Being, I still remain Master of my Will, and am free either to will, or not to will.

'Tis this Exemption not only from all manner of Constraint or Compulsion, but also from all Necessity, and this Command over my own Actions, that render me inexcusable when I will Evil, praise-worthy when I will Good. In this lies Merit and Demerit; Praise and Blame: 'Tis this that makes either Punishment or Reward just; 'ris upon this Consideration that Men exhort, rebuke, threaten, and promise. This is the Foundation of all Policy, Instruction, and Rules of Morality. Upshot of the Merit and Demerit of humane Actions, rests upon this

Basis, That nothing is so much in the Aug. Lib.
Power Animab.

Power of our Will, as our Will it felf; and that we have this FREE-WILL this as it were. Two-Edged Faculty; and this elative Power between Two Counfels, which are immediately as it were within our Reach. 'Tis what Shepherds and Husbandmen fing in the Fields; what Merchants and Artificers suppose in their Traffick: what Actors represent in publick Shews; what Magistrates believe in their Councils; what Doctors teach in their Schools; 'tis that, in Mort, which no Man of Sense can serioully call in Question. That Truth, imprinted in the Bottom of our Hearts, is supposed in the Practice, even by those Philosophers who would endeavour to shake it by their empty Speculations. The intimate Evidence of that Truth is like that of the First Principles, which want no Proof; and which ferve themselves as Proofs to other Truths, that are not for clear and felf-evident. But, how could the First Being makea Creature who is himself the Umpire of his own Actions?

of God.

A CHARACTER of the DEITY, both in the DEPENDANCE and INDEPENDANCE of

ET us now put together these two Truths equally certain. 1 am dependent upon a First Being even in my own Will: And nevertheless I am free. What then is this dependent Liberty? How is it possible for a Man to conceive a Free-Will, that is given by a First Being? I am free in my Will, as God is in His.
Tis principally in this I am His Image, and Likenels. What a Greatnets that borders upon Infinite is here! This is a Ray, of the DE-ITY it felf. 'Tis a Kind of Divine Power I have over my Will: But I am but a bare Image of that Supreme Being so absolutely Free and Powerful.

The Image of the Divine Independance is not the Reality of what it represents; and therefore my Liberty is but a Shadow of that First Being, by whom I exist, and act. On the

The Existence

one Hand, the Power I have of willing Evil, is, indeed, rather a Weaknels and Frailty of my Will, than a true Power: For 'tis only a Power to fall, to degrade my felf, and to diminish my Degree of Perfection, and Being. On the other Hand, the Power I have to will Good, is not an Absolute Power, since I have it not of my felf. Now, Liberty being no more than that Power: A Precarious and Borrow'd Power, can conflitute but a Precarious, Borrowid and Dependent Liberty; and therefore so impersect and so precarious a Being cannot but be dependent. But how is he free? What profound Mystery is here! His Liberty, of which I cannot doubt, thews his Perfection; and his Dependance argues the Nothingness from which he was drawn.

SECT. LXX.

The SEAL and STAMP of the DELTY in Mis

Dear v, or to speak more properly, the Seal and Stamp of Goo Hanselforth all that's call'd the Works of Nature. When a Many will that enter into Philosophical Sub! tilries, he observes, with the first Cast of the Eye, a Hand, that was the first Mover, in all the Parts of the Universe, and set all the Wheels of the Great Machine agoing. The Heavens, the Earth, the Stars, Plants, Animals: Agur Bodies: Out Winds Every thing Thews and proclaims an Order, an exact Measure, an Art, a Wildomadao Mind Superior to un, which is a sit were, the Soul of the whole World, and which leads and directs everything to his Ends, with -connro other blending in base at the connipor cent Borce (We have feen, as it were, the Architecture and Frame of the Universe; the just Proportion of all its Parts; and the bare Cast of $m_k N$

ene.

The Existence

the Eye has sufficed us to find and discover even in an Ans, more than in the Sun, a Wisdom and Power that delights to exert, it felf in the Polishing and Adorning its Vilest This is obvious, without a-Works. ny speculative Discussion, to the most Ignorant of Men: But what a World of other Wonders should we difcever, should we penetrate into the Secrets of Phylicks, and thiled the inward Parts of Animals, which are framed according to the most perfett Mechanicks that die Asignation L. Philadell da ni povelil SECT-LXXIIISEN vers, line Barth Lity Energy Tarks OBJECTION of the EPICURBANS, who A Jeribe every thing to CHAME But somfider'd, Hear certain Philosophers who answer me, that all this Discourse on the Art, that thines in the Universe, is but a continued Sophism.
All Nature, will they fay, its for Man's Use, tis true: But you have no Reason to inferr free thence, that it was made, with Arty and on purpole for the Use of Man. A. ' Man

Man must be ingenious in deceiving thinsfelf, who dooks for, and thinks to find, what never existed. "Tis true, will they add, that Min's industry makes us of an infinite Mumber of Things that Nature af-* fords, and are convenient for him: But Nature did and make those * Things: on purpose for his Conveni-4 ency. As for Inflance, Some Couns cry-Pellows climb applitiby by de-4 tain craggy and pointed Rocki, to the Top of a Mountain public yet it does not follow that those Points of Rocks were cut with 'Art, like a Stair-Cafe, for the Conveniency of Men. In like manner, Fields, during a frormy Rain, and fortunately meets with a Cave, he viles it, as he would do a Haufe, - for Shelten: But, bowever, is den-- not be affirm'd that this Calve, was - made on purpole to drive Menforts 4 House. It is the same with the whole World: It was form'd by ← Chance, and without Deliga: Blue Men finding it as it is, had the Art < to turn and improve it to their own · Uses... Thus the Art you admire N 2 poth

4 both in the Work and its Arstificer, is only in Men, who know how to make use of every fitting that furrounds them. ' This is, certainly, the strongest Objection those Philosophers can raise; and I hope they'll have no Reason to complain, that I have weaken'd it: But ir will immediately appear how weak it is in it felf, when closely examin'd. -The bare Repetition of what I faid before will be sufficient to demondoes a slower transfer with . Mcdixxl- Lafer & one Conregretory of the Arthurst Teacher transport Answer to the Objection of the Epicu-REANS, who wherebe allito CHANCE. on average chief of the comment of HAT would one lay of a Man who should fet up for a subail Philosophen, or (to:tile the Modern Expression) a Free-Thinker, and who entring a House should maintain it was made by Chance, and that Arr had not, in the least, contributed to render it commodious to Men, because there are Caves somewhat like that House, which yet sircu ' were

were never dug by the Art of Mank One shou'd shew to such * Reasoner all the Parts of the House, and tell him, for Instance: Do you this grain Court-Gate? It is larger than any Door; that Coaches may enter it. The Cours. has sufficient Space for Couches to turn in This Stair-Case is made up of Low Steps, that one may ascend it with Ease. and turns according to the Apartments and Stories it is to serve. The Windows pen'd at certain Distances; light the whole Building. They are glazed, lest the Wind [bould enter with the Light; but they may be open'd at Pleasure, in order to breath a sweet Air when the Weather is fair. The Roof is contriv'd to defend the whole House from the Injuries of the Air. The Timber-Work is laid flanting and pointed at the Top, that the Rain and Snow may easily slide down on Both Sides. The Tiles bear one upon another, that they may cover the Timber-Work. . The divers Floors serve to make different Stories, in order to multiply Lodgings within a small Space. The Chimneys are contrived to light Fire in Winter, without setting the House on Fire, and to let out the Smokes lest it should offend those that warm themselves. The Apartments are distributed N3

butad in factra manner, that alsoy be difengaged from the another; that a numeross Family many lodge in the Haufe, and the one nonthe oblig'd to past through another's Room; and that the Master's Apartment be the Principal. There are Kitchens, Offices, Stables, and Coach-Houses. The Rooms are furnish'd with Beds to lie in Chairs to fit on, and Tables to write and eat on. Sure, should one urge to that Philosopher, This Work must have been directed by fome skilful Architect: For every Thing in # is agreeable, pleafant, proportion d. and commodious; and besides, be must needs bave had excellent Artists under him. Not at all..... would such a Philosopher answer; 'You are ingenious in deceiving your felf. "Tis true this House is pleasant, agreeable, proportion'd, and commodious: But 4 yet it made it self with all its Proportions. Chance put together all the Stones in this excellent Order: fit rais'd the Walls; jointed and laid the Timber-Work; cut open the Casements; and placed the Stair-Case. Don't believe any Humane

Hand had any thing to do with it.
Men only made the best of this
Piece

Diece of Work, when they found hit ready made. They fancy it fawas made for them, because they h observe things in it which they know how to improve to their own Conveniency: But all they aforibe to the Delign and Contrivance of an imaf ginary Architect, is but the Effect fof their preposterous Imaginations. 1. This so regular, and so well conf triv'd House, was made just in the fame manner as a Cave; and Men finding it ready made to their 4. Hands, make use of it, as they swould in a Storm, of a Cave " they should find under a Rock, in a Defart.

What Thoughts could a Man entertain of such a fantastick Philosopher, if he should persist seriously to affert, That such a House displays no Art? When we read the sabulous Story of Amphion, who by a miraculous Essent of Harmony, caused the Stones to rise, and place themselves, with Order and Symmetry, one on the Top of another, in order to form the Walls of Thebes, we laugh and sport with that Poetical Fiction: But yet this very Fiction is not so incredingly.

ble, as that which the Free-thinking Philosopher we contend with, would dare to maintain. We might, at least, imagine, that Harmony, which consists in a Local Motion of certain Bodies, might (by some of those secret Virtues, which we admire in Nature, without being acquainted with them) shake and move the Stones into a certain Order and in a Sort of Cadence, which might occa? sion some Regularity in the Building. I own this Explanation both shocks, and clashes with Reason: But yet it is less extravagant than what I have suppos'd a Philosopher should say. What, indeed, can be more abfurd, than to imagine Stones that hew themselves, that go out of the Quarry, that get one on the Top of another, without leaving any empty Space; that carry with them Mortar to cement one another; that place themselves in different Ranks for the Contrivance of Apartments; and who admit on the Top of all the Timber-Roof, with the Tiles, in order to cover the whole Work? The very Children, that can't yet speak plain, would laugh, if they were ferioully

riously told, such a ridiculous Story.

SECT. LXXIII.

COMPARISON of the World, with a REGULAR House. A Continuation of the Answer to the Objection of the Epicureans.

DUT why should it appear less ridiculous to hear one say, that the World made it self, as well as that sabulous House? The Question is not to compare the World with a Cave without Form, which is supposed to be made by Chance: But to compare it with a House, in which the most perfect Architecture should be conspicuous. For the Structure and Frame of the least Living Creature is infinitely more artful and admirable, than the finest House that ever was built.

Suppose a Traveller entring Saida, the Country where the ancient Thebes, with a Hundred Gates, stood formerly, and which is now a Desart, should find there Columns,

Pyramids,

Pyramids, Obelisks, and Inscriptions in unknown Characters. Would he prefently fay: Men never inhabited this Place; No humane Hand had any Thing to do here; 'tis Chance that form'd these Columns, that plac'd them on their Pedestals, and crown'd them with their Capitals, with such just Proportions; Tis Chance that so firmly jointed the Pieces that make up these Pyramids; Tis Chance that cut the Obelish's in one lingle Stone, and engrav'd in them these Characters? Would be non on the contrary, say, with all the Certainty the Mind of Man is capable of: These magnificent Ruins are the Remains of a Noble and Majestical Architecture, that flourish'd in ancient Egypt? This is what plain Reason suggests, at the first Cast of the Eye, or first Sight, and without Reasoning. It is the fame with the bare Prospect of the Universe. A Man may by vain, long-winded, preporterous Reasonings confound his own Reason, and obscure the clearest Notions: But the fingle Cast of the Eye is decisive. Such a Work as the World is, never , y .

ver makes it felf of its own accord. There is more Art and Proportion, in the Bones, Tendants, Veins, Arteries, Nerves, and Muscles, that compose Man's Body, than in all the Architecture of the ancient Greeks and Egyptians. The single Eye of the least of Living Creatures surpasses the Mechanicks of all the most skilful Artificers. If a Man should find a Watch in the Sands of Africa; he would never have the Assurance seriously to affirm. That Chance form'd in that wild Place; and yet fome Men do not blush to say, That the Bodies of Animals, to the Artful Framing of which no Watch can ever be compar'd, are the Effects of the Caprices of Chance.

SECT. LXXIV.

Another Objection of the Epicure-Ans drawn from the Eternal Motion of Atoms.

Y Am not not ignorant of a Reafoning, which the Epicureans may frame into an Objection. The Atoms, will they fay, have an eternal Motion; Their fortuitous Concourse, must, in that Eternity, have already produc'd infinite Combinations. Who fays infinite, fays what comprehends all withour Exception. Amongst these infinite Combinations of Atoms which have already happen'd fuccessive-! ly, all such as are possible must ne- ceffarily be found: For if there were but one possible Combination, be-' youd those contain'd in that Infi-' nite, it would cease to be a true Infinite: Because something might be added to it; and whatever ' may be increased, being limited on the side it may receive an Addition, is not truely Infinite. Hence it follows that the Combination

of Atoms, which makes up the ' present System of the World, is one of the Combinations which the Atoms have had successively: 'Which being laid as a Principle, is Lit Matter of Wonder, that the World is as 'tis now? It must have taken this exact Form, somewhat fooner, or fomewhat later: For in some one of these infinite Changes, it must, at last, have ' receiv'd that Combination, that makes it now appear fo regular; fince it must have had, by Turns, & all Combinations that can be con-4 oeiv'd. All Systems are comprehended in the Total of Eternity. 5 There's none but the Concourfe of Atoms forms, and embraces, fooner or later. In that infinite "Variety of New Spectacles of Nastyre, the present was form'd in its Turn. We find our selves actufally in this System. The Cons course of Atoms that made will, in Process of Time, unmake it, in order to make others, ad infinitum, of all possible Sorts. This System could not fail having its Rlace, fince all others, without Extepti-

on, are to have theirs, each in its Turn. 'Tis in Vain one looks for 4 a Chimerical Art in which Chance must have made

as it is: ' An Example will suffice to illufitrate this. I suppose an infinite Number of Combinations of the Letters of the Alphabet, succes-4 fively form'd by Chance. All polfible Combinations are, undoubted-4 ly, comprehended in that total, which is truely Infinite. Now its certain, that Homer's Iliad is but a Combination of Letters: Therefore Homer's Iliad is comprehedded in that infinite Gollection of Combinations of the Characters of * the Alphaber. This being laid down as a Principle, a Man who will afligh Art in the Ilind, will argue wrong. He may exsol the · Harmony of the Verses, the Justof nefs and Magnificence of the Ex-' pressions, the Simplicity and Live-' line's of Images, the due Proporf tion of the Parts of the Poem, its perfect Unity, and inimitable ' Conduct. He may, object, That ' Chance can never make any Thing,

Sife perfectured that the utmok Effort of humane Wit is hardly Ecapable to finish so excellent a · Piece of Work: Yet all in Vain; for all this specious Reasoning is visibly fadse. Tis certain, on the 5 Contrary, that the fortuitous Con-5 course of Characters, partting them hoogether aby Turns, with an Infinite Variety, the precise Comhibination, that composes the Ilied. 5 must have happen'd in its Turn, formewhat former, or formewhat A laser. It has happen'th at last; Sand thus the Ilian is perfect, withfloor the Help of any framano Are? This is the Objection fairly laid down, in its full Latitude: I defire the Reader's referious and techtiqued Attention to the Answers Lam goisua to make to it. h'aion o. .. .อรากเมีย nit abase to a finite bornaber. wolld himsh dra Lxxv. All bluorr orbitis oils : , Answers to the Objection of the Epi-DENERANS drawn from the ETERNAL Motion of Aroms, process e. : TOTHING can be more abfurd than to freak of funcellive may Combinations

Combinations of Atoms, infinite in Number: For the Infinite can ne ver be; either Successive; or Divisible. Give me for Instance any Number. you may pretend to be infinite: And it will still be in my Power to do Two Things, that shall demonstrate it not to be a true Infinite. first Place, I can take an Unit from it; and, in such a Case, vit will become less than it was, and will certainly be finite: For whatever is less than the Infinite, has la Bound dary or Limit on the fide where one stops, and beyond which one might gon Now the Number, which is finite as foon, as one takes from it one fingle. Unit, could not be infinite before that Diminution: For an Unit is certainty finite; and a Finite join'd with another Finite. cannot make an Infinite. If a fingle Unit added to a finite Number, made an Infinite, it, would follow from thence, that the Finite would be almost equal to the Infinite; than which nothing can be more abfurd. In the second Place, I may add an Unit to that Number given I add confequently encrease it. Now what TTL SY a. ...adidonoù .

may be encreas'd, is not infinite: For the Infinite can have no Bound; and what is capable of Augmentation, is bounded on the fide a Man stops, when he might go further, and add fome Units to it. 'Tis plain therefore, That no divisible Compound, an be the true Infinite.

This Foundation being laid, all the Romance of the Epicurean Phiosophy disappears and vanishes out of Sight, in an Instant. There never can be any divisible Body, truy infinite in Extent, nor any Numper, or any Succession that is a true From hence it follows. That there never can be an infinite uccessive Number of Combinations of Atoms. If this Chimerical Infitite were real, I own all possible and conceivable Combinations Atoms would be found in it; and hat confequently all Combinations hat feem to require the utmost Inlustry would likewise be included n them. In such a Case, one might scribe to mere Chance, the most narvellous Performances of Art: me should see Palaces built accorling to the most perfect Rules of Architecture,

Architecture, curious Furniture, Watches, Clocks, and all fort of Mathines the most compounded, in a Defart Island, he should not be free reafonably to conclude that there have been Men in that Island, who made all those exquisite Works. On the contrary he ought to fay: Perhaps one of the Infinite Combinations of Atoms, which Chance has fuccessively made, has form'd all these Compositions in this Desart Island, without the Help of any Man's Art: For such an Assertion is a natural Consequence of the Principles of the Episareans. But the very Absurdity of the Consequence, ferves to expose the Extravagance of the Principle they lay down. When Men, by the natural Rectitude of their common Sense, conclude that fuch fort of Works cannot refult from Chance: They vifibly suppose, tho' in a confused Manner, That Atoms are not eternal, and that in their fortuitous Concourse. they had not an Infinite Succession of Combinations: For if that Principle were admitted, it would no longer be possible ever to distinguish

the Works of Art, from those that Inpuld result from those Combinations, as fortuitous as a Throw at Dice.

SECT. LXXVI.

The Epicureans confound the Works of Art with those of Nature.

LL Men who naturally suppose a sensible Difference between the Works of Art, and those of Chance, do consequently, tho' but implicitly, suppose, that the Combinanations of Atoms were not infinite; which Supposition is very just. This infinite Succession of Combinations of Atoms is, as I shew'd before, a more absurd Chimera, than all the Absurdities some Men would explain bythat false Principle. No Number, either fuccessive, or continual, can be infinite: From whence it follows, that the Number of Atoms cannot be infinite; that the Succession of their various, Motions, and Combinations, gannot be infinite; that the World could cannot be eternal; and that we must find out a precise and fix'd Beginning of these successive Combina-We must recur to a First Individual, in the Generations of every Species. We must likewise find out the original and primitive Form of every Particle of Matter, that makes a Part of the Universe. And as the fuccessive Changes of that Matter, must be limited in Number, we must not admit in those different Combinations, but such as Chance commonly produces: Unless we acknowledge a Superior Being, who, with the Perfection of Art made the wonderful Works which Chance could never have made.

SECT. LXXVII.

The EPICUREANS take whatever they please for granted, without any Proof.

fo weak in their System, that tis not in their Power to form it, or bring it to bear, unless one admits without Proofs, their most

most fabulous Postulata and Positions. In the first Place they suppose eternal Atoms; which is begging the Question: For, how can they make out that Atoms have ever existed, and exist by themselves? To exist by one's self, is the supreme Perfection: Now, what Authority have they to suppose, without Proofs, that Atoms have in themselves a perfect, eternal, and immutable, Being? Do they find this Persection in the Idea they have of every Atom in particular? An Atom not being the same with, and being abfolutely distinguish'd from another Atom, each of them must have in it felf Eternity, and Independance with respect to any other Being. Once more, is it in the Idea there Philosopher's have of each Atom. that they find this Perfection? But let us grant them all they suppose, in this Question, and even what they ought to be alham'd so suppose: viz. That Atoms are eternal, sublisting by themselves, independent from any other Being, and consequently entirely perfect.

SECT. LXXVIII

The Suppositions of the Epicukeans are false and chimerical.

UST we suppose besides that A-toms have Morion of themfelves? Shall we suppose it out of Gayety, to give an Air of Reality to a System more chimerical than the Tales of the Fairies? Let us confult the Idea we have of a Body: conceive it perfectly well without fuppoling it to be in Motion, and represent it to us at Rest; nor is its f dea in this State less clear; nor does it lose its Parts, Figure, or Dimensi-'Tis to no Purpose to suppose that all Bodies are perpetually in some Motion, either sensible or insensible; and that tho' some Parts of Matter have a Lesser Motion than others, yet the universal Mass of Matter has ever the same Motion in its Totality. To speak at this Rate is Building Castles in the Air, and imposing vain Imaginations on the Bellef of others: For who has told these Philosophers that the Mass of Matter has ever the 6ame

Same Motion in its Totality? Who has made the Experiment of it? Have they the Assurance to bestow the Name of Philosophy upon a rash Fiction, which takes for granted what they never can make out? Is there no more to do than to suppose whatever one pleases, in order to elude the most simple, and most constant Truths? What Authority have they to suppose that all Bodies incessantly move, either fenfibly or infenfibly? When I fee a Stone that appears motionless. how will they prove to me that there is no Atom in that Stone but what is actually in Motion? Will they ever impose upon me bare Suppositions, without any Semblance of Truth, for decisive Proofs?

SECT. LXXIX.

?Tis falsy supposed that Motion is Essential to Bodies.

THE OWEVER, let's go a Step further, and, out of excessive Complaisance, suppose that all the Bodies in Nature are actually in Motion.

Does it follow from thence that Motion is effential to every Particle of Matter? Besides, if all Bodies have not an Equal Degree of Motion; if some move sensibly, and more swiftly than others; if the fame Body may move fometimes quicker, and sometimes slower; if a Body that moves communicates its Motion to the neighbouring Body that was at Rest, or in such inserior Motion, that it was infensible: It must be confess'd that a Mode or Modification, which fometimes increases, and at other times decreases in Bodies, is not essential to them. What's essenrial to a Being, is ever the same in it. Neither the Motion that varies in Bodies, and which after having increas'd, flackens and decreases to such a Degree as to appear absolutely extinct and annihilated; nor the Motion that is lost, that is communicated, that passes from one Body to another as a Foreign Thing, can belong to the Essence of Bodies: And therefore I mayiconclude, that Bodies are perfect in their Essence, without ascribing to "them any Motion. If they have no Motion in their Effence, they have it

only by Accident; and if they have it only by Accident, we must trace up that Accident to its true Cause. Bodies must either bestow Motion on themselves, or receive it from some other Being. It is evident they do not bestow it on themselves, for no Being can give what it has not in it felf: And we are sensible that a Body at Rest ever remains motionless, unless fome neighbouring Body happens to shake it: Tis certain therefore that no Body moves by it felf, and is only moved by some other Body that communicates its Motion to it. But how comes it to pass that a Body can move another? What's the Reason that a Ball which a Man causes to roll on a smooth Table (Billiards, for the Purpose), cannot touch another without moving it? Why was it not possible that Motion should not ever communicate it felf from one Body to another? In such a Case a Ball in Motion would stop near another at their Meeting, and yet never shake it. ang Pantaga Bagasan Bagasan Sa Bagasan Bagas

SECT.

SECY. LXXX.

The RULES of MOTION which the EPICUREANS suppose, do not remder it effential to Bodies.

May be answer'd, that according to the Rules of Motion among Bodies, one ought to shake or move another, But where are those Laws of Motion written, and recorded? Who both made them, and render'd them so inviolable? They do not belong to the Essence of Bodies; for we can conceive Bodies at Reft; and we even conceive Bodies, that would not communicate their Motion to others, unless these Rules, with whose Original we are unacquainted, subjected them to it. Whence comes this, as it were, arbitrary Government ment of Motion, over all Bodies? Whence proceed Laws to ingenious so just, so well adapted one to the rether, and the least Alveration of ar Deviation from which would, on a fudden, overturn and destroy all the evcellent Order we admire in the U. niverse? A Body being entirely di**stinet**

stinct from another, is in its Nature absolutely independent from it, in all respects: Whence it follows that it should not receive any thing from it, or be susceptible of any of its Impressions. The Modifications of a Body imply no necessary Reason to modify in the fame Manner another Body, whose Being is entirely independent from the Being of the First. Tis to no purpose to alledge, That the most Solid and most Heavy Bodies carry or force away those that are less Big, and less Solid; and that according to this Rule a Great Leaden Ball ought to move a Great Ball of Ivorv. We don't speak of the Fact: We only inquire into the Caufe of it. The Fact is certain; and therefore the Cause ought likewise to be certain and precise! Let us look for it withour any manner of Prepossession, or Prejudice. What's the Reason, that a Great Body carries off a Little one? The Thing might as naturally happen quite otherwise; for it might as well happen that the most folid Body should never move any other Body; that is to fay, Motion might be incommunicable. Nothing but Custom obliges obliges us to suppose that Nature ought to act as it does.

SECT. LXXXI.

To give a fatisfactory Account of Motte on, we must recur to the First Mover.

TOREOVER, it has been proved that Matter cannot be cither infinite, or eternal: And therefore there must be suppos'd both, a First Atom, by which Motion must have begun at a precise Moment, and a first Concourse of Atoms, that must have form'd the first Combination. Now, I ask what Mover gave Motion to that first Atom, and first fet the great Machine of the Unic verse agoing? It is not possible to en lude this Home Question by an endless Circle: For this Question lying within a finite Circumference, must have an End at last; and so we must find the First Atom in Motion, and the first Moment of that first Motion, together with the First Mover, whole Hand made that first Impression. SECT.

SECT. LXXXII.

No LAW of MOTION has its FOUNDA-TION in the Essence of the BODY; and most of those LAWS are Arbi-TRARY. †

MONG the Laws of Motion we must look upon all those as arbitrary, which we cannot account for by the very Essence of Bodies. We have already made out, that no Motion is essential to any Body: Wherefore all those Laws, which are supposed to be eternal, and immuta-Arbitrary ble, are on the contrary, arbitrary the Author accidental, and made without cogent means, A Necessity: For there is none of them Pleasures that can be accounted for by the Essence of Bodies.

If there were any Law of Motion effential to Bodies, it would undoubtedly be that by which Bodies of less Bulk, and less solid, are moved by such as have more Bulk and Solidity: And yet we have seen, that that very Law is not to be accounted for by the Essence of Bodies. There's another which might also seem very natural:

That, I mean, by which Bodies ever move rather, in a direct, than a crooked Line, unless their Motion be otherwise determin'd by the Meeting of other Bodies. But even this Rule has no Foundation in the Effence of Matter. Motion is fo very accidental, and superadded to the Nature of Bodies, that we do not find in this Nature of Bodies any primitive of immutable Law, by which they ought to move at all, much less to move according to certain Rules. In the lame manner as Bodies might have existed, and yet have never either been in Motion, or communicated Motion one to another: So they might never have moved but in a circular Line; and this Motion might have been as natural to them as the Motion in a direct Line. Now, who is it that pitch'd upon either of these Two Laws equally possible? What is not determin'd by the Essence of Bodies, can have been determin'd by no other but him who gave Bodies the Motion, they had not in their own Essence. Besides, this Motion in a direct Line might have been

been upwards or downwards, from Right to Left, or from Left to Right, or in a Diagonal Line. Now, who is that determin'd which Way the strait Line should go?

SECT. LXXXIII.

The EPTCUREANS can draw no CON-SEQUENCE from all their Suppositions, albeor the same should be granted them.

ET as still attend the Episarelous Suppositions; and carry on the
Riction to the last Degree of Complaisance. Let us admit Motion in
the Essence of Bodies, and suppose,
as they do, that Motion in a direct Line is also essential to all
Atoms. Let us bestow upon Atoms
both a Will, and an Understanding, as
Poets did on Rocks and Rivers.
And let us allow them likewise to
chuse which way they will begin
their strait Line. Now, what Advantage will these Philosophers draw
from

from all I have granted them, contrary to all Evidence? In the first Place, all Atoms must have been in Motion from all Eternity; Secondly, They must all have had an equal Motion; Thirdly, They must all have moved in a direct Line; Fourthly, They must all have moved by an immutable and essential Law.

I am still willing to gratify our Adversaries, so far as to suppose that those Atoms are of different Figures, for I will allow them to take for granted what they should be oblig'd to prove, and for which they have not so much as the Shadow of a Proof. One can never grant too much to Men who never can draw any Consequence from what is granted them: For the more Absurdicies are allow'd them, the sooner they are caught by their own Principles.

SECT. LXXXIV.

ATOMS cannot make any COMPOUND by the Motion the Epicureans affign them.

HESE Atoms of so many odd Figures, some round, some crooked, others triangular, &c. are by their Essence oblig'd always to move in a strait Line, without ever deviating or bending to the Right, or to the Left: Wherefore they never can hook one another, or make together any Compound. Put, if you please, the sharpest Hooks near other Hooks of the like Make: Yet if every one of them never moves otherwise than in a Line perfectly strait, they will eternally move one near another, in Parallel Lines, withour being able to join and hook one another. The Two strait Lines which are suppos'd to be parallel, tho' immediate Neighbours, will never cross one another, tho' carried on ad Infinitum. Wherefore in all Eternity, no Hooking, and consequently no Compound

The EXISTENCE

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Compound can result from that Motion of Atoms in a direct Line.

Sact. LXXXV.

The CLINAMEN, Declination, or BENDING of Atoms, is a Chimerical Notion, that threws the Epicureans into a gross Con-tradiction.

HE Epicareans not being able to shut their Eyes against this glaring Difficulty, that strikes at the very Foundation of their whole Sy-Item, have, for a last Shift, invented what Lucretius calls Clinamen: By which is meant a Motion somewhat declining or bending from the strait Line, and which gives Atoms the Occasion to meet and encounter. Thus they turn and wind them, at Pleasure, according as they fancy best for their Purpose. But upon what Authority do they suppose this Declination of Atoms, which comes to pat to bear up their System? If Motion in a strait Line be essential to Bodies, nothing can bend, nor consequently join them, in all Eternity; the Clina-

men defroys the very Essence of Matter, and those Philosophers contradict themselves with out blushing. If, on the contrary, the Motion in a direct Line is not essential to all Bodies: why do they so confidently suppose eternal, necesfary, and immutable Laws for the Motion of Atoms, without recurring to a First Mover? And why do they build a whole System of Philosophy, upon the precarious Foundation of a ridiculous Fiction? Without the Clinamen the strait Line can never produce any Thing, and the Epicurean System falls to the Ground. With the Clinamen, a fabulous poetical Invention, the direct Line is violated, and the System falls into Derision and Ridicule.

Both the strait Line, and the Chnamen, are airy Suppositions and mere Dreams: But these two Dreams destroy each other; and this is the Upshot of the uncurb'd Licentiousness some Men allow themselves of supposing as eternal Truths, whatever their Imagination suggests them to support a Fable; while they result to acknowledge the Artful and Powerful

ful Hand that form'd and placed all the Parts of the Universe.

SECT. LXXXVI.

Strange Absurdity of the Epicureans, who eudeavour to account for the Nature of the Soul, by the Declination of Atoms.

mazing Extravagance, the Epicureans have had the Assurance to
explain and account for what we call
the Soul of Man, and his Free-Will,
by the Clinamen, which is so unaccountable and unexplicable itself.
Thus they are reduc'd to affirm, that
'tis in this Motion, wherein Atoms
are in a Kind of Equilibrium between
a Strait Line, and a Line somewhat
circular, that Humane Will consists.

Strange Philosophy! If Atoms move only in a Strait Line, they are inanimate, and uncapable of any Degree of Knowledge, Understanding, or Will: But if the very same Atoms somewhat deviate from the Strait Line, they become, on a sudden, a-

nimate

nimate, thinking, and rational. They are themselves Intelligent Souls, that know themselves, reslect, deliberate, and are free in their Acts and Determinations. Was there ever a more Absurd Metamorphosis! What Opinion would Men have of Religion, if in order to assert it, one should lay down Principles and Positions so trisling and ridiculous as theirs, who dare to attack it in earnest?

SECT. LXXXVII.

The EPICUREANS saft a Mist before their own Eyes, by endeavouring to explain the Liberty of Man by the DECLINATION of ATOMS.

But let us consider to what Degree those Philosophers impose upon their own Understandings. What can they find in the Clinamen, that, with any Colour, can account for the Liberty of Man? This Liberty is not imaginary: For 'tis not in our Power to doubt of our Free-Will, any more than it is to doubt of what we

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are intimately conscious and certain. I am conscious I am free to continue fitting, when I rise in order to walk. I am sensible of it with so entire Certainty, that 'tis not in my Power ever to doubt of it in earnest; and I should be inconsistent with my self. if I dar'd to say the contrary. the Proof of our Religion be more evident and convincing? We cannot doubt of the Existence of Gop, unless we doubt of our own Liberty: From whence I infer, that no Man can feriously doubt of the Being of the DEITY; fince no Man can entertain a serious Doubt about his own Liberty. If, on the contrary, it be frankly acknowledg'd, that Men are really Free, nothing is more easy than to demonstrate, that the Liberty of Man's Will cannot confift of any Combination of Atoms, if one fupposes, that there was no First Mover. who gave Matter arbitrary Laws for its Motion. Motion must be essential to Bodies, and all the Laws of Motion must also be as necessary as the Essences of Natures are. fore, according to this System, all the Motions of Bodies must be perform'd

by constant, necessary, and immutable Laws; the Motion in a Strait Line must be essential to all Atoms that are not made to deviate from it by the Encounter of other Atoms; the Strait Line must likewise be elsential either upwards, or downwards, either from Right to Left, or Left to Right, or some other Diagonal Way, fix'd, precise, and immuta-ble. Besides, 'tis evident that no Atom can make another Atom deviate: For that other Atom carries also in its Essence the same invincible and eternal Determination to follow the Strait Line the same Way. From hence it follows that all the A toms placed at first on Different Lines, must pursue ad infinitum, those parallel Lines, without ever coming nearer one another; and that those who are in the same Line must follow one another ad infinitum, without ever coming up together, but keeping still the same Distance from one another. The Clinamen, as we have already shewn, is manifestly impossible: But contrary to evident Truth, supposing it to be possible, in such a Case it must be affirm'd that the Cli-P 4

namen is no less necessary, immutable, and essential to Atoms, than the Strait Line. Now will any Body fay, that an effential and immutable Law of the local Motion of Atoms, explains and accounts for the true Liberty of Man? Is it not manifest, that the Clinamen can no more account for it, than the Strait Line it felf? The Clinamen, supposing it be true, would be as necessary as the Perpendicular Line, by which a Stone falls from the Top of a Tower into the Street. Is that Stone free in Its Fall? However, the Will of Man according to the Principle of the Clinumen, has no more Freedom than that Stone. Is it possible for Man to be so extravagant as to dare to contradict his own Conscience about his Free Will, left he should be forc'd to acknowledge his God and Maker? To affirm, on the one Hand, that the Liberty of Man is imaginary, must silence the Voice, and stifle the Sense of all Nature; give our selves the Lye in the grossest Manner; deny what we are most intimately consci-'ous and certain of; and in short, be reduc'd to believe, that we have no Eligibility,

Eligibility, or Choice of Two Courfes, or Things proposed, about which we fairly deliberate upon any Occafi-Nothing does Religion more Honour, than to see Men necessitated to fall into such gross and monstrous Extravagance, as foon as they call in Question the Truths she teaches! On the other Hand, if we own that Man is truly free, we acknowledge in him a Principle, that never can be feriously accounted for, either by the Combinations of Atoms, or the Laws of local Motion, which must be supposed to be all equally necessary, and essential to Matter, if one denies a First Mover. We must therefore go out of the whole Compass of Matter, and search far from combined Atoms, some incorporeal Principle to account for free Will, if we admit it fairly. Whatever is Matter and an Atom, moves only by necessary, immutable, and invincible Laws: Wherefore Liberty cannot be found either in Bodies, or in any Local Motion; and so we must look for it in some Incorporeal Being. Now, Whose Hand tied and subjected to the Organs of this corporeal Machine, that incorporeal Being, which

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Times, by the Wicked to exercise and improve the Good. Nay, it happens oftentimes that what appears a Defect to our narrow Judgment, in a Place separate from the Work, is an Ornament with respect to the general Design; which we are not able to consider, with Views sufficiently extended and simple to know the Perfection of the Whole. not daily Experience shew, that we rashly censure certain Parts of Men's Works, for want of being throughly acquainted with the whole Extent of their Defigns and Schemes? This happens, in particular, every Day, with respect to the Works of Painters and Architects. If writing Characters were of an immense Bigness, each Character, at close View, would take up a Man's whole Sight; so that it would be not possible for him to see above one at once; and therefore he would not be able to read, that is, put different Letters together, and discover the Sense of all those Characters put together. the same with the Strokes of Providence in the Conduct of the whole World, during a long

long Succession of Ages. There's nothing but the Whole that's intelligible; and the whole is too vast and immense to be seen at Close View. Every Event is like a particular Character that is too large for our narrow Organs, and which fignifies Nothing of it felf, and separate from the rest. When, at the Consumma, tion of Ages, we shall see in Goo, that is in the true Point, and Center of Perspective, the Total of Humane Events, from the first to the last Day of the Universe, together with their Proportions, with regard to the Defigns of God, we shall cry out: LORD, Thou alone are Just and Wise! We cannot rightly Judge of the Works of Men, but by examining the Whole. Every Part ought not to have every Perfection; but only fuch as becomes it according to the Order and Proportion of the different Parts that compose the Whole. In a humane Body, for Instance, all the Members must not be Eyes, for there must be Hands, Feet, &c. So in the Universe, there must be a Sun for the Day; but there must be also a Moon for the Night.

ag L.≱ Net tibi occurrit perfectu Universitat, nisi abi majora sic prasto sant, at mi-nora non defint. This is the Judgment we ought to make of every Part, with respect to the Whole. Any other View is narrow and deceitful. But what are the weak and puny Deligns of Men, if compar'd to that of the Creation and Government of the Universe? As much as the Heavens are above the Barth, as much, fays God in the Holy Writ, are my Ways and my Thoughts above yours. Let therefore Man admire what he Understands, and be filent about what he does not comprehend. But after all, even the real Defects of this Work, are only Imperfections which God was pleased to leave in it, to put us in Mind that He drew and made it from Nothing. There's not any Thing in the Universe but what does, and ought equally to bear these Two Opposite Characters; on the one side, the Seal or Stamp of the Artificer upon his Work; and on the other, the Mark of its Original Nothing, into which it may relapse and dwindle every Moment. Tis an incompre--henfible

henfible Mixture of Low and Great; of Frailty in the Matter, and of Art in the Maker? The Hand of God is conspicuous in every Thing, even in a Worm that crawls on Earth. Nothingness, on the other Handappears every where, even in the most vast and most Sublime Genius. Whatever is not God, can have but a stinted Perfection, and what has but a stinted Perfection, always remains imperfect, on the fide where the Boundary is sensible, and denotes that it might be improv'd. If the Creature wanted nothing, it would be the CREATOR Himself: For it would Aug. de have the Fulness of Perfection, which Ordine. is the DEITY it felt. Since it cannot be Infinite, it must be limited in Persection; that is, it must be imperfect on one fide or other. It may luve more or less impersection; but ffill it must be impersed. We must ever be able to point out the very Place where it is Defective; and to fay, upon a Critical Examination: This is what it might have had, what it has not.

SECT. LXXXIX.

The DEFECTS of the Universe, compar'd with those of a Picture.

O we conclude that a Piece of Painting is made by Chance, when we see in it either Shades, or even some careless Touches? The Painter, we fay, might have better finish'd those Carnations, those Draperies, those Prospects. 'Tis true,' this Picture is not perfect according to the nicest Rules of Art. how extravagant would it be to fay: This Picture is not absolutely perfect; therefore 'tis only a Collection' of Colours form'd by Chance, nor did the Hand of any Painter meddle with it? Now, what a Man would blush to say of an indifferent, and almost artless Picture, he is not asham'd to affirm of the Universe, in which a Crowd of incomprehent fible Wonders, with excellent Order and Proportion, are conspicuous. Let a Man study the World as much as he pleases; let him descend into the minutest Details; dissect the vilest of Animals; narrowly confider the least

least Grain of Corn, sown in the Ground, and the manner in which it germinates and multiplies; attentively observe with what Precautions a Rose-bud blows and opens the Sun, and closes again at Night! And he will find in all these more Defign, Conduct, and Industry than in all the Works of Art. Nay, what is call'd the Art of Men, is but a faint Imitation of the great Art call'd the Laws of Nature, and which the Impious did not blush to call Blind Chance. Is it therefore a Wonder, that Poets animated the whole Universe; bestow'd Wings upon the Winds, and Arrows on the Sun; and described great Rivers impetuously running to precipitate themselves into the Sea, and Trees shooting up to Heaven, to repel the Rays of the Sun, by their thick Shades? These Images and Figures have also been receiv'd in the Language of the Vulgar: So natural it is for Men to be sensible wonderful Art that fills all Nature. Poetry did only ascribe to inanimate Creatures, the Art and Design of the CREATOR, who does every Thing

Thing in them. From the figurative Language of the Poets, those Notions pass'd into the Theology of the Heathens, whose Divines were the Poets. They supposed an Art. . a Power, or a Wisdom, which they call'd Numen, in Creatures the most destitute of Understanding. With them great Rivers were Gods, and Springs, Naiads, Woods, and Mountains had their particular Deities; Flowers had their Flora; and Fruits Pomona. After all, the more a Man contemplates Nature, the more he discovers in it an inexhaustible Stock of Wisdom, which is, as it were the Sour of the Universe.

SECT. XC.

, We must necessarily conclude that there is a FIRST BEING that created the Universe.

thence? The Confequence flows of it felf. If so much Wisdom and Penetration, says Minneim Falix, are required to observe the wonderful Order and Design of the Structure of the World: How much more were necessary to sorm it? If Men so much admire Philosophers, because

because they discover a small Part of the Wisdom that made all Things: They must be stark blind, not to admire that Wisdom it self.

SECT. XCI.

REASONS why Men do not acknowledge GOD in the UNIVERSE, wherein he shows himself to them, as in a faithful Glass.

HIS is the great Object of the Universe, wherein Gop, as it were in a Glass, shews himfelf to Mankind. But some, (I mean, the Philosophers) were bewilder'd in their own Thoughts. Every Thing with them turn'd into Vanity. By their subtle Reasonings some of them over-shot and lost a Truth, which a Man sinds naturally and simply in Himself, without the Help of Philosophy.

fions, live in a perpetual Avocation of Thought. To perceive Gon in his Works'a Man mult, at least, confider them with Attention: But Passions cast such a Mist before the Eyes, not only of wild Savages, but even of Nations that seem to be most civiliz'd and polite, that they do not

fo much as fee the Light that lights them. In this Respect, the Egyptians, Grecians, and Romans, were no less blind, or less brutish, than the rudest and most ignorant Americans. these, they lay, as it were, buried within seusible Things, without going up higher; and they cultivated their Wit, only to tickle themselves with foster Sensations, without observing from what Spring they proceeded. In this manner, the Generality of Men pass away their Lives upon Earth. Say nothing to them: And they will think on nothing, except what flatters either their brutish Pasfions, or Vanity. Their Souls grow so heavy and unwieldy, that they cannot raise their Thoughts to any incorporeal Object. Whatever is not palpable, and cannot be seen, tasted, + our Illu heard, felt, or told, appears chimeri-

frious Au-eal to them. This Weakness of the un-doubtedly the Soul turning into Unbelief apalludes to pears Strength of Mind to them; the Appellus and their Vanity glories in opposing sion of Especies what naturally strikes and affects the which in rest of Mankind: Just as if a Mon-French sign free prided in not being form'd accorning free Free Thinker. ding to the common Rules of Nature;

ture; or as if one born blind boasted of his Unbelief with respect to Light and Colours, which other Men perceive and discern.

SECT. XCII,

A PRAYER to GOD. MY God! If fo many Men do not discover Thee in this great Spectacle, Thou givest them of all Nature: 'Tis not because Thou app far from any of us. Every one of us; teels Thee, as it were with his Hand: But the Senies, and the Passions they raise, take up all the Attention of out Minds. Thus, O Lord, Thy Light shines in Darkness: But Darknels is so thick and gloomy, that it does not admit the Beams of Thy Light.: Thou appear'st every where; and every where unattentive Mortals neglect, to perceive Thee. All Nature speaks of Thee, and resounds with Thy Holy Name. But she fpeaks to Deaf Men, whose Deafness proceeds from the Noise and Clutter they make to stun themselves. Thou art near, and within them: But they are fugitive, and wandering as it were, out of themselves. They Ist M bluow

would find Thee, O Sweet Light, Q Eternal Beauty, ever Old, and even Young, O Fountain of chafte Delights, O Pure and Happy Life of all who live truly, should they look for Thee within themselves. But the Impious lose Thee, only by losing themfelves. Alas! Thy very Gifts, which should shew them the Hand front whence they flow, amufe them to fuch a Degree, as to hinder them from perceiving it. They live by Thee, and yet they live-without: thinking on Thee; or rather, they thee by the Pountain of Life, for want iof diffenching théir Drought in that Vivifying Seream : For what greater Death can there be, than not to known Thee, O Lord? Theyafall affeep in Thy Soft and Parernal Bolom; and full of the decoitful Drowns by which they are tofs'd in their Sleep, they are insensible of the Powerful Hand that supports them. If Thouwert a Barren, Impotent, and Inanimate Body, like a Flower that hades awang a River that runs; a House that do cays and falls to Ruin; a Picture, that is but a Collection of Colours, to frike the Imagination; or an utelefs Metal

Metal that glifters: They would perceive Thee, and fondly ascribe to Thee the Power of giving them some Pleasure, altho' in Reality, Pleasure cannot proceed from Inanimate Beings, which are themselves void and incapable of it, but only from Thee alone, the True Spring of all Joy. If therefore Thou wert but a Lumpish, Frail; and Inanimate Being; a Mass without any Virtue, or Power; a Shadow of a Being: Thy Vain, Fantastick Nature would busy their Vanity; and be a proper Object to entertain their mean and brutish Thoughts. But because Thou art too Aug. Inflintimately within them, and they ne- mior Intiver at Home, Thou art to them an mo nofire. UNKNOWN God: For while they rove and wander Abroad, the inrimate Part of themselves is most remote from their Sight. The Order and Beauty Thou fcatter it over the Face of Thy Creatures, are like a glaring Light that hides Thee from, and dazzles their fore Eyes. Thus the very Light that should light them, strikes them blind; and the Rays of the Sun themselves hinder them to see it! In fine, because Thou Q 4

art too Elevated, and too Pure a Truth, to affect gross Senses, Men who are become like Beaits, cannot conceive Thee: Tho' Man has daily convincing Instances of Wisdom and Virtue, without the Testimony of any of his Senses; for those Virtues have neither Sound, Colour, Odour, Taste, Figure, nor any fensible Quality, Why then, O my Goo, do Men call Thy Existence, Wildom, and Power, more in Question, than they do those other Things most real and manifest, the Truth of which they suppose as certain, in all the serious Affairs of Life, and which nevertheless, as well

Thou, cscape our feeble Senses? wifor on O Mifery & O dismal Night, that surrounds the Children of Adam! Q monstrous Stupidity! O Confusion of the whole Man! Man has Eyes only to see Shadows, and Truth appears a Phantom to him. What's nothing, is all; and what's all, is nothing, to .Him. IWhat do I behold in all Nacrure? Gon. Gonevery where, and Iftill Gon alone. When I think, O Louis that all Being is in Thee, Thou exhaustest and swallow'st up, O Abyss of Bruth, all my Thoughts. ; \

I know not what becomes of me. Whatever is not Thou disappears: and scarce so much of my self remains, wherewithal to find my felf again. Who fees Thee not, never faw any Thing; and who is not fensible of Thee, never was sensible of any Thing. He is as if he were not. His whole Life is but a Dream. Arise. O Lord, arife. Let Thy Enemies melt like Wax, and vanish like Smoke, before Thy Face. How unhappy is the impious Soul, who far from Thee is without God, without Hope, without eternal Comfort! How happy he who fearches, fighs, and thirsts after Thee. But fully happy he on whom are reflected the Beams of Thy Countenance: whose Tears Thy Hand has wiped off: and whose Desires Thy Love has already compleated! When will that Time be, O LORD? O Fair Day, without either Cloud or End, of which Thy Self shalt be the Sun, and wherein Thou shalt run through my Soul, like a Torrent of Delight! Upon this pleasing Hope, my Bones shiver, and cry out: Who is like Thee, O LORD? My Heart melts, and my Flesh faints, OGOD of my Soul, and my Eternal Wealth.

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